Identification and Verification of Active and Inactive Land Disposal Sites in Saskatchewan

February 1983

DILLON
Consulting Engineers & Planners

OUR FILE 9140-02
YOUR FILE

17 March 1983

Environmental Protection Service
Environment Canada
241 Motherwell Building
1901 Victoria Avenue
REGINA, Saskatchewan
S4P 3R4

ATTENTION: Mr. John Harrison
Project Engineer

Re: Identification and Verification of Active and Inactive Land Disposal Sites in Saskatchewan

Dear Sirs

We are pleased to submit our report on land disposal site inventory for Saskatchewan. This report summarizes the results of our survey of municipalities, industries, institutions and government agencies. 1,324 active and inactive land disposal sites have been identified. We believe that the data provided herein establishes a comprehensive solid waste management data base for the Province.

We have enjoyed working on this challenging assignment and look forward to our continued involvement in the remainder of the program in Saskatchewan.

Yours truly

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IDENTIFICATION AND VERIFICATION OF ACTIVE AND INACTIVE LAND DISPOSAL SITES IN SASKATCHEWAN

Executive Summary

Purpose

The purpose of the study was to establish a comprehensive data base of land disposal waste management practices in Saskatchewan. This included identification of all major active and inactive land disposal sites and assessment of these sites regarding their potential impact on human health and the environment. This study which was funded by Environment Canada and Saskatchewan Department of Environment, is the first phase of the national program in Saskatchewan.

Method

Land disposal sites were divided into three groups to assist in the indentification process. These groups included municipal, industrial and other. The other group represents sites under the ownership or control of government agencies. Different methods for site identification were used for each group.

Municipal - A mailout questionnaire was sent to all municipalities (with the exception of hamlets) requesting information on land disposal sites under their control. Saskatchewan Departments of Health and Environment files and personnel assisted in completing these questionnaires and verifying information on disposal sites.

Industrial - A mailout questionnaire was sent to industries and institutions that were known to utilize on-site disposal. The list of industries was developed from the Chemical Waste Inventory report prepared for the Department of Environment by M.M. Dillon Limited.

Other - Federal and provincial agencies were contacted to determine if they had disposal sites under their control. If they did, questionnaires were sent to them for completion. This was verified through files and by personnel of Environment Canada and Saskatchewan Departments of Health and Environment.

Field surveys of sites were used as a means of obtaining complete data for a site. Approximately 5 percent of the sites identified in this study, mainly inactive, were field surveyed.

Potential human health and environmental site impacts were assessed using a numerical scoring system. The scoring system used in Saskatchewan was

developed using as a base the scoring system developed in a similar New Brunswick study and included modifications to reflect the Saskatchewan situation.

Once the sites were prioritized, by the scoring system, they were placed in categories with other sites which had similar potential concerns.

Results

This study identified 1324 active and inactive land disposal sites in Saskatchewan. Complete information was obtained on 1080 of the disposal sites identified. Very little information could be obtained on the remaining 244 sites. Table 1 summaries the number and types of sites identified:

TABLE 1

SUMMARY OF DISPOSAL SITES IDENTIFIED

Site Status	Type of Site											
	Municipal			Industrial			Other			Totals		
	Com	Inc	Tot	Com	Inc	Tot	Com	Inc	Tot	Com *	Inc °	Total
Active	746	56	802	31	-	31	92	33	125	869	89	958
Inactive	201	136	337	4	-	4	6	19	25	211	155	366
TOTALS	947	192	1139	35	-	35	98	52	150	1080	244	1324

* Com - complete information obtained for a site
° Inc - incomplete information available for a site

The assessment process prioritized and then categorized sites based on their potential to impact on human health and the environment. Three categories of sites were established. Category 1 sites have the highest and category 3 sites have the lowest potential concern.

It should be recognized however that the majority of information collected in this study is from secondary sources. Therefore, although the information is generally of a good quality, the assessment process should be considered preliminary only.

A fourth category was established for sites that could not be assessed because of a lack of complete information. If these sites could be assessed, however, the great majority would be placed in category 3.

The result of the assessment process are summarized in Table 2.

TABLE 2

SUMMARY OF SITE ASSESSMENT

	Site Status		Totals	
Category	Active	Inactive	Number	Percent
Category 1	78	19	97	7.3
Category 2	603	109	712	53.8
Category 3	188	83	271	20.5
Category 4	89	155	244	18.4
Totals	958	366	1324	100

Conclusions

From these results, the following can be concluded:

- The population base in southern Saskatchewan is not adequate to support the environmentally sound operation of the large number of active municipal land disposal sites.

- The relatively small number of category 1 sites, might have been substantially greater if not for the following conditions in Saskatchewan:

  - small number of large population centres
  - predominence of clay soils
  - low moisture surplus
  - small industrial base

- The relatively large number of category 2 sites generally reflect:

  - siting of land disposal grounds has not taken into account health and environmental concerns.

  - poor to average operating practices with many open dumps and modified landfills with burning.

Recommendations

The following recommendations have been made based on the study findings:

- Saskatchewan Department of Health should maintain a central filing system for municipal disposal sites using information collected in this study.

- Phase II of the program should be undertaken to study a representative sample of category 1 sites in more detail.

- Owners/operators of category 2 sites should be contacted to discuss improvements in maintenance and site operations.

- Some method of reducing the number of active municipal disposal sites should be considered.

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1.0 INTRODUCTION

Environment Canada has initiated a program with participating provincial agencies to identify and verify land disposal sites, both active and inactive, in Canada. Studies have been undertaken in New Brunswick, Ontario, Manitoba, Alberta and the Northwest Territories. With the cooperation of the Saskatchewan Department of Environment, this program is being undertaken in Saskatchewan. The information collected in this study will provide a comprehensive data base of land disposal waste management practices in this province. The program consists of three major phases:

Phase 1: Identification and verification of the location of active and inactive land disposal sites and prioritizing according to to the potential for health and environmental impacts.

Phase 2: Assessment of the manifested or potential impact of high priority sites on the environment.

Phase 3: Examination of candidate sites to verify the preliminary asessment. Recommendations would be made regarding mitigation of potential problems and the undertaking of remedial measures if necessary.

The Phase 1 objectives are outlined below:

- Locate all active and inactive land disposal sites in Saskatchewan.
- Assemble all relevant accessible data on the disposal sites.
- Complete a preliminary assessment prioritization of the potential health hazards and environmental impacts of these sites based on the information collected.

It should be noted that assessment of sites in Phase 1 is of a preliminary nature only. Information obtained in this phase is mainly from secondary sources. The Phase 2 portion of the program will study a representative sample of the high concern sites, in more detail, to confirm Phase 1 results.

In June 1982, M.M. Dillon Limited was authorized to proceed with Phase I of this program. Dillon retained the services of Clifton Associates Ltd. to provide hydrogeological input into the preliminary assessment of land disposal sites.

The following sections of this report provide the methodology used in meeting the study objectives, state the results of the study, outline conclusions and make recommendations for future phases of the program.

2.0 METHODOLOGY

2.1 Background

The first step in determining the most appropriate method of meeting the first two study objectives was to establish the sources of information available. It is important in this regard to understand the regulatory process for the disposal of wastes in Saskatchewan.

In September, 1972, legislation was enacted by the Province of Saskatchewan under the Public Health Act regulating municipal waste disposal grounds. In effect, it established a permit system for municipal waste disposal sites. Before a permit to operate a dry disposal site, a modified landfill, or a sanitary landfill could be issued, the Department of Environment must review the application to determine that the water pollution control measures proposed are adequate.

These regulations have been modified to reflect amendments and changes to the permit system in subsequent years, and a permit to operate a waste disposal site is no longer mandatory. Municipalities must however dispose of wastes in a manner that will not create a nuisance. The Department of Health, through its Public Health Inspectors and Medical Health Officers, inspect permitted sites and waste disposal grounds and act on complaints concerning nuisance. A nuisance, as defined under the Saskatchewan Public Health Act, is any thing or condition of things that is or may become injurous or dangerous to health or that prevents or hinders in any manner the suppression of disease.

The key agency for information on municipal waste disposal sites is the Department of Health. There are two areas where this information is available. The Community Services Branch maintains a listing of all active municipal disposal sites. Information on this listing includes the owner, general location, health facility number and date of last inspection. This Branch also maintains central files on all sites for which applications have been received for permits or where complaints have been acted on by the health regions. The other source of information is the health region offices. There are ten (10) health regions excluding the former Health Services Branch of the Department of Northern Saskatchewan. Each site file is located in its respective health region. These files contain inspection reports, permit application if applicable, and complaints regarding the site. Unfortunately very limited information on inactive sites is available from these sources.

The Department of Environment maintains a centralized file on permit applications that have been processed through the Department and on all sites where complaints regarding environmental concerns have been received.

No regulations exist for the on-site disposal of industrial waste however amendments to the Department of Environment Act have been drafted regarding the storage, transport and disposal of hazardous and industrial wastes.

Waste disposal sites used and maintained by various provincial and federal governmental agencies, are generally regulated or inspected by the Department of Health if used by the general public. Provincial park sites are

regulated by both the Departments of Health and Environment. National parks and Indian reserve sites are inspected by Health and Welfare Canada. In both cases, no central files are available. Generally, complete sets of files on other government agency sites do not exist. Both Environment Canada and the Saskatchewan Department of the Environment have information on some but not all sites.

2.2 Survey Approach

Upon reviewing data available in government files it was determined that the most efficient method of site identification and data collection would be to survey all potential waste disposal site owner/operators. This approach supplemented by review of government agency data would ensure:

- identification of all active sites
- identification of a comprehensive list of inactive sites
- complete information for the majority of sites based on the local knowledge of questionnaire respondents.

In some instances, it was recognized that this method would not produce the desired results. Field visits of certain sites would be required to complete information gaps.

Three main categories of sites to be surveyed were established, based on ownership, jurisdiction and regulatory procedures:

- municipal
- industrial
- other (including sites under federal and provincial agency control)

2.2.1 Municipal Disposal Sites

A total of 811 questionnaires were sent to all municipalities in Saskatchewan. A list of municipalities was compiled from the 1982 Saskatchewan Municipal Directory. The municipalities surveyed include:

- Rural Municipalities (R.M.)
- Northern Community Associations (N.C.A.)
- Towns and Villages (T & V)
- Cities (C)

In order to ensure completeness and to verify the data obtained, references were made to the following sources of information:

- Department of Environment waste management files
- Department of Health waste management files
- Public Health Inspector's personal knowledge
- Review of existing studies and reports
- 1:250,000 topographic maps

2.2.2 Industrial Disposal Sites

In 1982 M.M. Dillon Limited completed a study for the Saskatchewan Department of Environment entitled "Chemical Waste Inventory Report". As part of this study, Dillon surveyed industrial and manufacturing firms in the Province to determine types and quantities of waste chemicals produced and the

current disposal practices. From this study, a list was developed of those industries, or types of industries, that dispose of wastes on their own properties. Based on this list, 44 questionnaires were sent out to industries, institutions and government agencies throughout the province. Information obtained through this survey process was verified through Department of Environment files where available.

Industrial sites excluded from the survey are:

- junk yards
- derelict motor vehicle sites
- deep well injection sites
- on site temporary storage of wastes
- tailings disposal areas

2.2.3 Other Disposal Sites

This category includes sites under the jurisdiction and/or ownership of the Federal and Provincial government agencies. Government agencies investigated for potential sites included:

Federal

- Department of Indian and Northern Affairs Canada
- Department of Health and Welfare Canada
- Solicitor General Canada
- Transport Canada
- Parks Canada
- Agriculture Canada
- Canadian National Railways
- Department of National Defence

Provincial

- Department of Health
- Department of Environment
- Department of Tourism and Renewable Resources
- Department of Northern Saskatchewan

Based on this investigation, a list of potential sites was prepared and questionnaires sent to persons responsible in the relevent government agencies.

2.3 Questionnaire Design

Collection of information on disposal sites was primarily achieved through mail-out and return of a questionnaire. Information requested in the questionnaire was divided into five areas, namely:

- Site Identification
- Site Location
- Property Ownership
- Site Operation
- Site Characteristics

The questionnaire was designed in such a way as to be simple to complete but still provide all of the site information necessary to meet the study objectives. Also, some questions requested general information which could be used to verify more specific questions. A 1:250,000 topographic map was attached to the questionnaire. Respondents were asked to indicate the disposal site location on this map. This allowed for cross referencing of a number of questionnaire responses.

All questionnaires were sent with a covering letter outlining program objectives and need for an improved information base for the waste management system. In addition, a contact name was provided for respondents requiring information or assistance.

A sample cover letter and questionnaire are included in Appendix A.

2.4 Survey Management

In order to monitor response rates, completeness of responses and requirements for follow-up, specific survey management data were maintained and updated on a data base management system.

Data established for survey management comprised:

- survey/site identification number
- site owner/operator and address
- contact name and title
- rural muncipality number
- health facility number and health region number
- questionnaire sent/received date
- name of respondent
- date of follow-up call or letter
- completeness of data
- follow-up required
- site location - municipality, legal description
- population served
- site status - active, abandoned, temporarily abandoned
- specific site problems

2.4.1 Survey of Municipal and Industrial Sites

Figure 1 is a flow chart illustrating the survey management system for municipal and industrial sites. As a response was received, the questionnaire was reviewed and the appropriate data was entered into the data management system. It was then put in one of two categories:

- data incomplete - technical follow-up required
- data complete - no follow-up required.

If no response was received a non-technical follow-up was performed.

Non-technical follow-ups (telephone contact to determine the status of questionnaire completion) were aimed at increasing the response rates by telephoning all non-respondents. In some cases, a second questionnaire was sent to those who reported that the original survey could not be located. Approximately 275 initial non-technical follow-ups were required on the municipal and industrial surveys or about 32 percent of the survey population. This shows an excellent response rate of 68 percent, without any type of non-technical follow-up.

After a one month time period non-technical follow-ups were repeated to municipalites that had still not responded. As time constraints became more critical and it was apparent that some people were not willing to take the time to fill out the questionnaire, an attempt was made to fill out questionnaires by telephone. Although time consuming, this method proved successful and resulted in the completion of questionnaires for 110 municipalities.

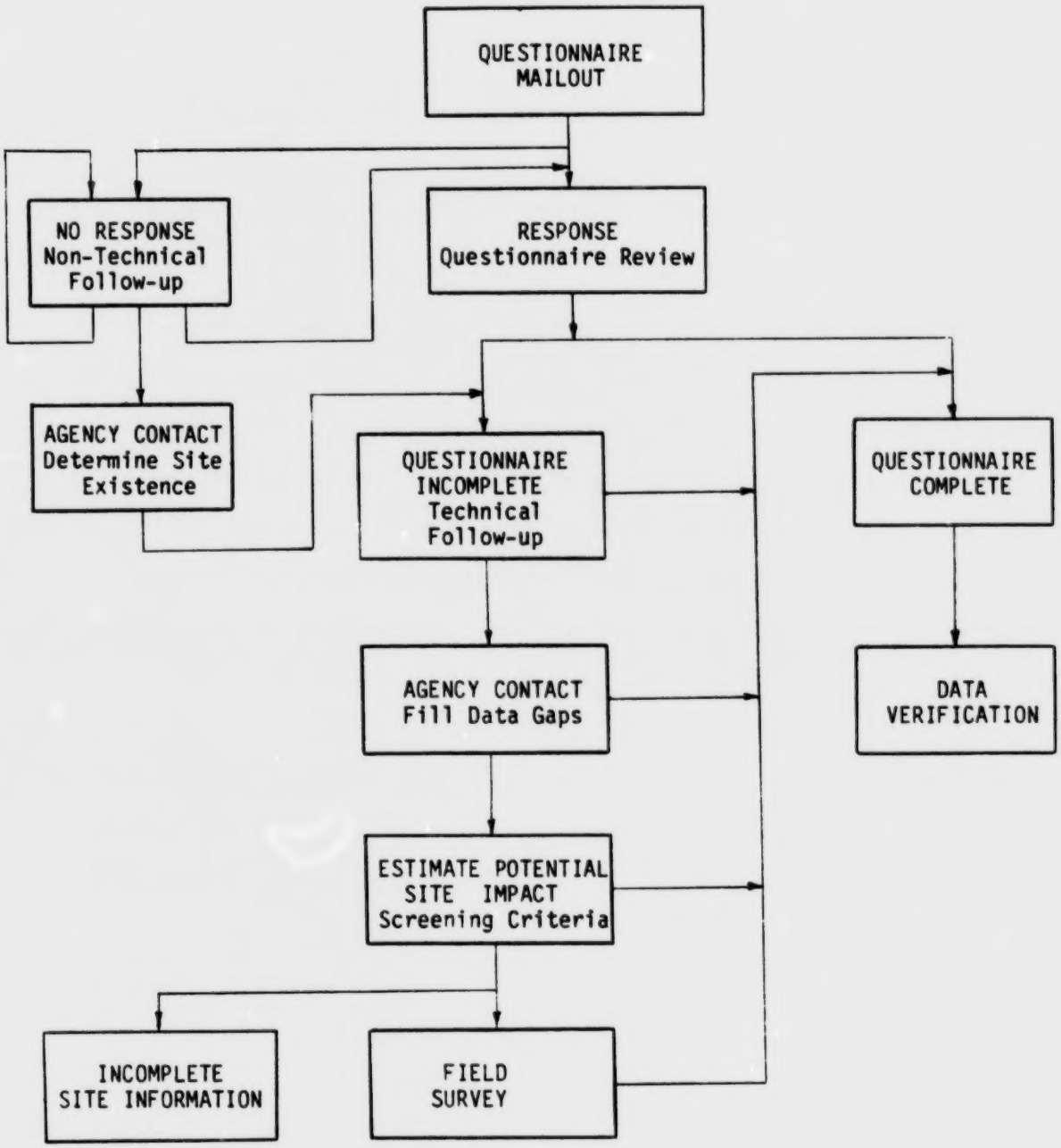

Figure 1: Survey Management Flow Chart

(Municipal/Industrial Sites)

Technical follow-ups were aimed at filling in data gaps and verifying information. Over 80 per cent of the responses had data gaps. Many responses had only a few pieces of information missing and were generally well filled out. In total over 300 muncipalities and industries were contacted to complete questionnaires. These calls resulted in the completion of many more than 300 questionnaires as several respondents had reported more than one site.

During the early stages of the technical follow-up it was apparent that many responses did not report inactive disposal sites. As a result, meetings were arranged with the Public Health Inspectors in eight of ten health regions. Meetings in the remaining two health regions could not be arranged within a suitable time frame. Lists of abandoned sites were received from these two regions. These meetings served the following purpose:

- To verify information and complete questionnaire responses
- To provide information on the existence of inactive disposal sites.

The Public Health Inspectors identified 240 inactive sites. Approximately 15 percent of these sites had previously been reported by municipalities. The information obtained from the files in the health regions provided the following:

- a comprehensive list of inactive disposal sites
- a source of information for active site data verification

Review of Department of Environment files augmented data gaps for some disposal sites and provided verification of information reported for other sites. The following information was available in the Department of Environment's waste management files.

- depth to water table
- general soil classification
- distance to wells, watercourses, residences
- location
- proposed method of operation
- problems associated with complaints received by Department of Environment.

Another process used to obtain information and verify data was telephone discussions with each Public Health Inspector. Over 225 sites were discussed. No information had previously been reported for approximately fifty percent of these sites. The Public Health Inspectors were a valuable source of information since a majority of the sites discussed were located in small hamlets, regional parks or communities where information was not forthcoming. In addition, information was verified by available engineering reports and 1:250,000 topographic maps.

Information provided by the former Health Services Branch, Department of Northern Saskatchewan, indicated that data for northern sites would have to be collected in a different manner than planned. They indicated a total of 61 major community landfill sites existed. Over 2600 small temporary sites also existed. These temporary sites consisted mainly of work camps, small tourist camps and trappers cabins. Although northern towns and northern community associations had been sent surveys, discussions with Public Health Inspectors ensured complete data for the major sites.

2.4.2 Survey of Other Sites

Provincial and federal agencies were contacted to determine the existence

of waste disposal sites. If the agency had disposal sites under their jurisdiction, they were sent questionnaires. All of the agencies, previously listed, were contacted. The following summarizes the findings of our survey of government agencies.

Federal Agencies

- Department of Indian and Northern Affairs Canada - no central records for waste disposal grounds for Indian reserves.
- Health and Welfare Canada - files available for waste disposal sites on Indian reserves and in federal parks.
- Solicitor General Canada - no records available.
- Transport Canada - no active sites reported. The possibility of inactive sites at major airports was investigated further with airport personnel.
- Parks Canada - Information obtained from Health and Welfare Canada.
- Department of National Defence - no central records for waste disposal grounds available - sent questionnaires to all defence installations.
- Canadian National Railways - no information available on the existence of active or inactive waste disposal grounds.
- Prairie Farm Rehabilitation Administration - information on waste disposal grounds available through branch personnel.
- Agriculture Canada - information on disposal sites obtained through discussions with personnel at each research station.
- Environment Canada - files available for land disposal sites at Customs Canada stations, penitentiaries, and federal parks, and reports providing information on Indian reserves.

It became apparent during our investigation that responsibility for advisory and site inspection functions for landfills on Indian reserves was not under the jurisdiction of one federal agency. This complicated our search for information. We therefore, sent approximately 30 questionnaires directly to Indian bands where sites were not reported by government agencies.

Provincial Agencies

- Department of Tourism and Renewable Resources - files for active disposal sites are maintained in the eight regional offices of this department. These files cover sites in provincial forests, parks and recreation areas.

- Departments of Health, Environment and Northern Saskatchewan - previously reviewed in detail.

Generally questionnaires from the above agencies were very complete, requiring a minimum number of additional requests for information. The quality of responses could be attributed to the following:

- explanation of objectives to personnel prior to sending questionnaire
- existence of previous studies at or near disposal sites
- completion of questionnaires by personnel with technical knowledge

2.5 Field Inspection

The purpose of field inspection was to obtain data on disposal sites where information was not available through other means. It was intended to perform this function only after all avenues for information on disposal

sites had been exhausted. Unfortunately, the collection of data was slower than anticipated due mainly to long response times on questionnaire returns. As it was essential to complete field inspections prior to snow fall, a set of criteria for field inspection of sites was developed. The criteria were developed with the assistance of the Steering Committee. This process produced a list of sites for which little information was available but which had the greatest potential for health and environmental concerns. The remaining sites, not slated for field inspecton, were reviewed by the Department of Health to ensure no oversights were made.

The list of criteria used in the screening process and sites field surveyed are included in Appendix B. Also included is a list of sites not visited with the justification for each site.

In summary, 63 potential inactive sites were initially slated for field inspection. Of these, 19 sites were not field inspected for the following reasons:

- information on a site was received prior to visit
- after subsequent discussions with local officials and inspections it was concluded that no site existed.
- site was inaccessible

The field inspections, including discussions with local residents and officials, provided complete information on these sites.

In addition, to the 44 inactive sites, 19 active sites were visited. These visits aided in obtaining complete information and verifying information previously reported.

2.6 Survey Results

The following section summarizes the results of the survey portion of this study. The original questionnaire returns are kept by the Saskatchewan Department of Environment, Land Protection Branch.

2.6.1 Municipal Disposal Sites

The following table illustrates the numbers of municipal sites identified in this study. It also indicates the number of sites where complete information was obtained:

	Complete Information Obtained	Incomplete Information	Total Sites Identified
Active Sites	746	56	802
Inactive Sites	201	136	337
Totals	947	192	1,139

The types of sites falling into the incomplete information category are described below.

Incomplete active sites are generally small hamlet sites serving a relatively small population. Available information sources for these sites were exhausted and it was not possible to obtain complete information. Since no complaint files currently exist we can assume there are presently no major health or environmental concerns. A list of these sites is contained in Appendix C.

Incomplete inactive sites generally have served a population less than 100 people and most have been closed for more than 10 years. These sites appear to have a low potential for concern from health and environmental points of view. A list of these sites is also contained in Appendix C.

The municipal survey results do not include all municipalities. Some rural municipalities, villages and towns do not presently operate land disposal facilities. Their current practices are summarized as follows:

- no sites in existance - 138 municipalities
- site shared with other municipality - 82 municipalities
- future site - 8 municipalities

More detailed information on these municipalities is contained in Appendix E.

2.6.2 Industrial Sites

The table below summarizes the results of the industrial survey:

	Complete Information Obtained	Incomplete Information	Total Sites Identified
Active Sites	31	-	31
Inactive Sites	4	-	4
Totals	35	-	35

In addition 12 companies did not respond and 8 companies reported no site.

For companies reporting no site, we reviewed the survey returns for the 1982 Chemical Waste Inventory report. This review confirmed that the wastes produced by the companies in question are disposed of at municipal landfill sites.

A review of the surveys for the non-respondent companies/agencies revealed that although they do dispose of some chemical wastes on-site, the disposal method is not by landfilling. The processes used are listed below:

- Deep well injection
- Land farming (spreading)
- Oil spreading for dust control
- Lagooning
- Incineration
- Recycling

A listing of these companies/agencies showing no disposal site is attached as Appendix E.

2.6.3 Other Sites

The results of the survey for other sites is as follows:

	Complete Inform. ation Obtained	Incomplete Information	Total Sites Identified
Active Sites	92	33	125
Inactive Sites	6	19	25
Totals	99	52	150

These totals can be broken down by agency response as follows:

· Health and Welfare Canada

- Complete information was obtained on:

Active Indian reserve sites - 36
Active national park sites - 1
Inactive national park sites - 3

- Incomplete information was obtained on:

Active Indian reserve sites - 32
Inactive Indian reserve sites - 7

The remaining Indian reserves in the province are reported not to operate community waste disposal sites. This is based on a report entitled Saskatchewan Indian Community Environmental Profiles, 1978 produced by this Agency.

· Transport Canada

- No sites reported

· Prairie Farm Rehabilitation Administration

- Complete information - one active site reported

· Environment Canada

- Customs Canada Stations

  Complete information - 6 - active sites
  Incomplete information - Active - 1
  - Inactive - 1

- Penitentiaries

  Complete information - 1 - inactive site

· Department of Tourism and Renewable Resources

- Complete information available for:

  Active Sites - 48
  Inactive Sites - 2

- Incomplete information available for:

  Inactive Sites - 11

2.6.4 Summary

By combining the results of the three categories of sites, the following are the overall survey results:

	Complete Information Obtained	Incomplete Information	Total Sites Identified
Active Sites	869	89	958
Inactive Sites	211	155	366
Totals	1080	244	1324

All sites indentified in this study are located on a 1:1,000,000 scale plan of the province. This plan is enclosed at the back of the report.

Each site is identified by a study survey number. All sites identified, for which complete information is available, are listed by survey number in Appendix D. This listing provides the following information about each site:

- Site Survey Number
- Site Owner
- Rural Municipal Number (South)
- Health Facility Number (where applicable)
- Municipal Location
- Site Location (legal description)
- Site Status
- Category Number

3.0 Preliminary Site Assessment

3.1 General

As stated in the study objectives, a preliminary assessment of potential environmental and health hazards from the land disposal sites was required based on study information obtained. The purpose of the assessment was to identify sites that may be of concern and provide a guide for future investigations in subsequent phases of the program.

A numerical scoring system for preliminary assessment of sites was proposed for the National Landfill Identification Program. This system was originally produced for the New Brunswick phase 1 study and is located in Appendix F. Since the significance of the criteria used in the assessment process varies based on the geographical setting of a land disposal site, certain modifications to the system, developed in New Brunswick, were required to reflect the Saskatchewan situtation.

3.2 Priority System Design

The proposed national scoring system was made up of twenty separate criteria. These criteria were divided into two groups.

One group, made up of the first five criteria, assessed the impact of a land disposal site on population centres. These criteria take into account the types of wastes and land disposal siting parameters in relation to urban populations.

The second group, comprising the remaining criteria, assessed the impact of land disposal sites on more rural areas. These criteria take into account the site operation and siting parameters in relation to rural settings.

The numerical scoring system developed for Saskatchewan maintained this basic format. The two groups are referred to as primary and secondary screening criteria and are described below.

Primary Screening Criteria - a total of 5 criteria make up this section. These criteria, with the exception of type of waste, reflect problems associated with siting near urban areas and the impact on human health.

Secondary Screening Criteria - This group comprises the remaining 12 criteria. These criteria reflect operational conditions, general environmental problems and problems associated with siting in rural areas.

The primary screening criteria have not been altered substantially from the proposed national scoring system. The only modification in criteria was the addition of the soil type to the potential contact with water table criteria to establish one criteria that would address potential for ground water transmission of contaminates.

Modifications to the secondary screening criteria include the following:

- incorporation of all types of uses for private wells.
- combining of the cover and vegitative status of inactive sites.
- combining of gas and odour problems with evidence of leachate.
- removal of impacts on sensitive environments or critical habitats (wildlife).
- substitution of mean annual unit runoff for amount of rainfall.

These modifications resulted in a more stream lined assessment process and better reflect the Saskatchewan situation. All criteria from the original scoring system have been incorporated into this scoring system except proximity to sensitive environments. This item was removed from consideration because it would have been difficult to establish these areas but also the concern for these sensitive areas are accounted for in other criteria used.

The scoring system used is made up of 17 screening criteria. Details of these criteria are contained in Appendix H.

In order to establish the weighting of each criteria in the scoring system, we started by establishing equal weighting for the primary and secondary screening criteria. We then reviewed the natural mechanisms involved. These are as follows:

- Source of contaminants
- Potential for contaminant migration
- Risk of contamination

Since all three elements of the process are basically equal, they received equal weightings. We then determined which criteria should be

placed in each element above. This was done for both the primary and secondary criteria. The results of this process produced the following system design (refer to Appendix G for more details):

Primary Criteria

Source of Contaminants

1. Type of waste

Potential for Contaminant Migration

2. Depth to water table

Risk of Contamination

3. Proximity to municipal water supply intake
4. Population served by municipal water supply
5. Surrounding land use and proximity to development

Secondary Screening Criteria

Source of Contaminants

6. Condition of inactive land disposal site
7. Method of operation
8. Total waste quantity
9. Gas, odour and leachate problems

Potential for Contaminant Migration

10. Flood potential
11. Median annual unit runoff
12. Elevation and topography
13. Vectors

Risk of Contamination

14. Distance to private well
15. Population served by potable private well
16. Proximity to surface water
17. Surface water use

Individual weighting of each criteria was developed utilizing the following sources:

- Overall weighting of the element that a criteria was in
- Weighting of the criteria in the proposed national scoring system
- Saskatchewan setting

The weighting of each criteria is provided in Appendix G.

This priority scoring system, when applied to each site, numerically ranks the sites in relationship to one another. As well it groups them based on common characteristics. This grouping of categorization assists in review and assessment of the large number of sites identified. The groups or categories that were selected are defined below:

Category 1 - Sites which may exhibit a higher potential for impacts on human health and the surrounding environment.

Category 2 - Sites which may exhibit a moderate potential for impacts on human health and the surrounding environment.

Category 3 - Sites which may exhibit a lower potential for impacts on human health and the surrounding environment.

Category 4 - Sites where insufficient information is available to allow for assessment using the priority scoring system.

Limits for grouping or placing sites in these categories had to be defined. The limits used the numerical scores determined for sites but was based on the natural mechanisms for contaminant movement. The numerical limits initially established are contained in Appendix G. They are based however on the following rational:

Category 1 - Primary criteria: At least two elements scored high. Secondary criteria: At least two elements scored high or all element scores moderately high.

Category 2 - Primary and Secondary criteria: At least one element scored high and the other element scored moderate to low.

Category 3 - Primary and Secondary criteria: All element scores moderate to low.

It was recognized that the initial limits established for categories might require minor revision during the assessment process.

3.3 Results

The survey portion of the study generated 1080 active and inactive disposal sites with complete information available. Due to the requirements of the numerical rating system used, only those sites for which complete information existed were assessed. Sites for which incomplete information was available were not ranked since this would bias the assessment process.

Limits for categories 1 to 3 were established using an iterative process. The original category limits established, refer to Appendix G, were based

on our best estimates of the Saskatchewan situation. After the sites were placed in categories, the sensitivity of the limits was reviewed based on our experience and verified using site complaint files. Specific sites within five and ten point spreads above and below the limits were reviewed and adjustments made to the limits to reflect our impressions of the site concerns. The revised category limits are outlined below:

- If the total score of items 1 through 5 inclusive (primary criteria) is greater than or equal to 80, the site is classed as Category 1. Items 6 through 17 are also scored to provide a thorough picture of the site.

- If the total score of items 1 through 5 inclusive is less than 80, the site is assigned a priority category based on the total score of items 1 through 17 as follows:

  Category 1: 125 points or more
  Category 2: 80 - 124 points
  Category 3: less than 80 points.

The results of the site categorizing are summarized below:

Category 1	-	Active Sites	78	
		Inactive Sites	19	
		Total	97	7.3% of Total
Category 2	-	Active Sites	603	
		Inactive Sites	109	53.8% of Total
		Total	712	
Category 3	-	Active Sites	188	
		Inactive Sites	83	20.5% of Total
		Total	271	
Category 4	-	Active Sites	89	
		Inactive Sites	155	18.4% of Total
		Total	244	
		GRAND TOTAL	1324	100.0%

A listing of the category 1, 2, and 3 sites is provided in Appendix D. Also Table A lists the category 1 sites and provides the main reasons for their placement in this category.

TABLE A: CATEGORY 1 SITES

Survey No.	Location	Status	Pop.	Priority Score	Problems
16	Fertile - Hamlet RM Storthoaks #31	Active	<1000	129	- pesticide containers - high water table - close to intermittent creek
16A	Bellegarde - Hamlet RM Storthoaks #31	Active	<1000	117 (82) items 1-5	- pesticide containers - high water table
38	Griffin - Hamlet RM Griffin #66	Active	<1000	125	- close to residence/ wells - open dump - close to intermittent creek
38A	Froude - Hamlet RM Griffin #66	Active	<1000	138	- close to residence/ wells - open dump - occasional flooding
165A	Georges Beach - Resort RM Good Lake #274	Active	<1000	127	- permeable soil - high water table - close to lake
167	Fishing Lake - Hamlet RM Foam Lake #276	Active	<1000	140	- close to residence - frequent flooding - evidence of seepage
184	Crystal Lake - Hamlet RM Buchanan #304	Active	<1000	128	- permeable soil - close to lake - waste oils/septic pumpings

Survey No.	Location	Status	Pop.	Priority Score	Problems
188	Esk - Hamlet RM Prairie Rose #309	Active	<1000	138	- gravel - high water table - pesticide containers
213A	Neuhorst - Hamlet RM Corman Park #344	Active	<1000	125	- high water table - close to slough
225	Carmel - Hamlet RM Humbolt #370	Active	<1000	128	- pesticide containers - evidence of seepage - close to residence
259A	Redberry Lake Reg. Park RM Redberry #435	Active	<1000	139	- septic pumpings - high water table - close to water channel
283A	Shipman - Hamlet RM Torch River #488	Inactive	<1000	127	- permeable soil - high water table - floods frequently
286	Deer Ridge RM Shellbrook #493	Active	<1000	126	- permeable soil - close to residences
287	Mont Nebo - Hamlet RM Canwood #494	Active	<1000	130	- permeable soil - close to residence - close to slough
295D	Christopher Lake - Hamlet RM Lakeland #521	Inactive	<1000	131	- permeable soil - close to residence/ well
295J	Anglin Lake - Hamlet RM Lakeland #521	Active	<1000	126	- permeable soil - close to recreational area - occasional flooding

Survey No.	Location	Status	Pop.	Priority Score	Problems
310	City of Estevan	Active	5000 - 10,000	146	- Coal below surface (possible seepage through fissures) - waste oils - occasional flooding - close to river
310A	City of Estevan	Inactive	5000 - 10,000	126	- waste oils - close to residence - close to river
312	City of Lloydminster	Active	>10,000	153	- high water table - close to slough - close to commercial area
313	City of Melfort	Active	5000 - 10,000	133	- pesticide containers - high water table - close to slough
314B	City of Melville	Active	5000 - 10,000	135	- medium concern waste - permeable soil - high water table
316	City of North Battleford	Active	>10,000	135	- close to residence - permeable soil - medium concern waste
316D	City of North Battleford	Inactive	>10,000	128	- close to residence - close to drainage course - occasional flooding
316E	Saskatchewan Hospital North Battleford	Inactive	<1000	137	- medium concern waste - contact with river - close to hospital

Survey No.	Location	Status	Pop.	Priority Score	Problems
317	City of Prince Albert	Active	>10,000	129	- medium concern waste - permeable soil - high water table - close to park
317A	City of Prince Albert	Inactive	>10,000	129	- medium concern waste - permeable soil - close to comm/ind. area
317B	City of Prince Albert	Inactive	>10,000	125	- medium concern waste - permeable soil - close to comm/ind.
317C	City of Prince Albert	Inactive	>10,000	121 (80) items 1-5	- medium concern waste - permeable soil - close to comm/ind. area
318B	City of Regina	Active	>10,000	142	- high concern wastes - close to well - close to residence
319	City of Saskatoon	Active	>10,000	154	- high concern wastes - evidence of seepage - close to industry
321	City of Weyburn	Active	>10,000	144	- medium concern wastes - high water table - some evidence of seepage
322A	City of Yorkton	Inactive	>10,000	146	- medium concern wastes - contact with water table - close to residence - close to drainage channel

Survey No.	Location	Status	Pop.	Priority Score	Problems
322C	City of Yorkton	Inactive	>10,000	135	- medium concern wastes - building on site - close to residence - close to drainage channel
366	Borden	Active	<1000	131	- medium concern waste - permeable soil - high water table
377	B-Say-Tah	Active	<1000	135	- medium concern wastes - close to residence/ well - evidence of seepage
400	Choiceland	Active	<1000	130	- pesticide containers - permeable soil
410	Consul	Active	<1000	127	- medium concern wastes - close to residence - occasional flooding
416	Cudworth	Active	1000 - 5000	125	- medium concern waste - in contact with slough - close to residence/ well
482	Glentworth	Active	<1000	132	- medium concern waste - close to creek
487	Goodwater	Active	<1000	126	- permeable soil - high water table - close to residence
495	Hague	Active	<1000	147	- medium concern waste - high water table - next to slough - near residence

Survey No.	Location	Status	Pop.	Priority Score	Problems
505	Herbert	Active	1000 - 5000	127	- medium concern waste - close to recreation area - open dump
511	Hudson Bay	Active	1000 - 5000	142	- permeable soil - high water table - floods frequently
511A	Hudson Bay	Inactive	1000 - 5000	141	- permeable soil - high water table - floods frequently - close to residence
530	Kennedy	Active	<1000	114 (80) items 1-5	- medium concern waste - permeable soil - high water table
532	Kerrobert	Active	1000 - 5000	129	- institutional wastes - high water table - open dump
558A	Leask	Inactive	<1000	125	- beside slough - close to residence
568	Limerick	Active	1000 - 5000	127	- close to municipal water supply - close to residence - open dump
591	Maple Creek	Active	1000 - 5000	136	- medium concern waste - permeable soil - high water table - close to slough

Survey No.	Location	Status	Pop.	Priority Score	Problems
613	Meyronne	Active	<1000	125	- pesticide containers - high water table - permeable soil
627	Naicam	Active	1000 - 5000	133	- medium concern waste - close to residence/ well - near slough
632A	Nipawin	Inactive	1000 - 5000	131	- medium concern waste - permeable soil - close to residence
636	Odessa	Active	<1000	146	- permeable soil - high water table - close to slough
640	Outlook	Active	1000 - 5000	126	- medium concern waste - permeable soil
645A	Paradise Hill	Inactive	<1000	125	- permeable soil - close to residence - high water table
651	Penzance	Active	<1000	137	- medium concern waste - permeable soil - close to residence
660	Ponteix	Active	1000 - 5000	140	- medium concern waste - permeable soil - high water table
671	Raddison	Active	<1000	146	- medium concern waste - permeable soil - high water table

Survey No.	Location	Status	Pop.	Priority Score	Problems
672	Radville	Active	1000 - 5000	150	- medium concern waste - permeable soil - high water table - close to river
672A	Radville	Inactive	1000 - 5000	144	- medium concern waste - permeable soil - high water table
681	Riverhurst	Active	<1000	127	- on edge of coulee - permeable soil
694	Saltcoats	Active	1000 - 5000	126	- permeable soil - high water table
706	Sheho	Active	1000 - 5000	131	- high water table - occasional flooding - near recreation area
707	Shellbrook	Active	1000 - 5000	145	- medium concern waste - permeable soil - poor drainage
707A	Shellbrook	Inactive	1000 - 5000	128	- medium concern waste - permeable soil - near residence/well
708	Shell Lake	Active	<1000	129	- medium concern waste - permeable soil - near residence
731	St. Louis	Active	1000 - 5000	126	- medium concern waste - permeable soil - high water table
746	Tisdale	Active	5000 - 10,000	126	- pesticide containers - high water table - open dump

Survey No.	Location	Status	Pop.	Priority Score	Problems
768A	Wadena	Active	1000 - 5000	129	- pesticide containers - occasional flooding - close to residence/ wells
787A	White Fox	Inactive	<1000	115 (85) items 1-5	- medium concern waste - permeable soil - near residence/well
790	Wilkie	Active	1000 - 5000	131	- medium concern waste - high water table
835	MacMillan-Bloedel RM Hudson Bay #394	Active	N/A	163	- medium concern waste - permeable soil - high water table - near well
847	Saskatoon Chemical RM Corman Park #344	Inactive	N/A	128	- high concern waste - near river
853	University of Saskatoon Saskatoon	Active	N/A	135	- high concern waste - permeable soil - high water table
864C	Lac Des Isles Prov. Park	Active	N/A	139	- septic wastes - permeable soil - near recreation area
864D	Mistohay Prov. Park	Active	N/A	132	- septic waste - near recreation area - open dump
867	Saskatchewan Landing Provincial Park	Active	N/A	126	- septic waste - near recreation area

Survey No.	Location	Status	Pop.	Priority Score	Problems
868G	Torch River Provincial Forest	Active	N/A	135	- permeable soil - high water table - open dump
868H	Torch River Provincial Forest	Active	N/A	132	- medium concern waste - permeable soil - near surface water
869C	Crooked Lake Recreation Site	Active	N/A	128	- septic waste - near recreation area
874	Coronach Border Customs	Active	N/A	125	- permeable soil - contact with ground water - near residence/wells
888	Dore Lake	Active	<1000	150	- septic waste - permeable soil - high water table
889	East Trout Lake	Active	<1000	148	- septic waste - permeable soil - high water table - near creek
904	Missinipe-Otter Rapids	Active	<1000	159	- septic pumpings - permeable soil - high water table - near lake - near residence
913	Stanley Mission	Active	<1000	134	- high concern waste - permeable soil - open dump

Survey No.	Location	Status	Pop.	Priority Score	Problems
915	Sturgeon Landing	Active	<1000	152	- open dump - permeable soil - near river - near residence/well
920	West Sturgeon Weir	Active	<1000	140	- open dump - permeable soil - high water table - near surface water
927	Island Lake Band Ministikwan Reserve #161	Active	<1000	138	- medium concern waste - permeable soil - open dump - occasional flooding
927C	Joseph Bighead Reserve #124	Active	<1000	127	- medium concern waste - permeable soil - near residence/well
927F	Salteaux Reserve #159	Active	<1000	125	- medium concern waste - permeable soil - near residence/well
927J	Waterhen Reserve #130	Active	<1000	163	- medium concern waste - permeable soil - high water table - near residence/well
927K	Moosomin Reserve #112	Active	<1000	131	- medium concern waste - permeable soil - near residence/well
928J	Fort Walsh National Park	Active	N/A	135	- septic waste - near recreation area - frequent flooding

Survey No.	Location	Status	Pop.	Priority Score	Problems
929	Muskeg Lake Reserve #102	Active	<1000	127	- medium concern waste - high water table - near residence/well
929A	Muskeg Lake Reserve #102	Active	<1000	133	- medium concern waste - high water table - near residence/well
934A	Narrows Prince Albert National Park	Inactive	<1000	125	- permeable soil - near lake - near well - near recreation area
954	Prince Albert Penitentiary	Inactive	<1000	117 (80) items 1-5	- permeable soil - high water table - near penitentiary

Figure 2 is a histogram illustrating the distribution of sites based on total score. The histogram shows the following:

- A wide distribution of total scores - representing the wide range of types of disposal sites used in the province.
- A large number of sites in category 2.

In investigating the reasons for this large number of category 2 sites, we reviewed the subtotal scores (ie. primary criteria, secondary criteria). Figure 3 illustrated graphically the distribution of sites versus sub total scores for each criteria group. This figure shows the following:

- Primary Criteria (Type of waste and siting in relation to urban centres)
  - Relatively wide distribution of scores - representing a wide difference in the physical setting for sites in the province.
  - Higher average score for primary versus secondary criteria - indicating the criteria used in siting disposal grounds (ie. cost of haul from urban areas).
- Secondary Criteria (Site operations and siting in rural setting)
  - Relatively narrow distribution of scores. Representing a similar type of operation for the majority of sites (ie. dump or modified landfill with burning)
  - Relatively small numbers of sites which are being operated either very well or very poorly.

It would appear that the large number of category 2 sites are indicative of past siting procedures which emphasized cost over health and environmental concerns.

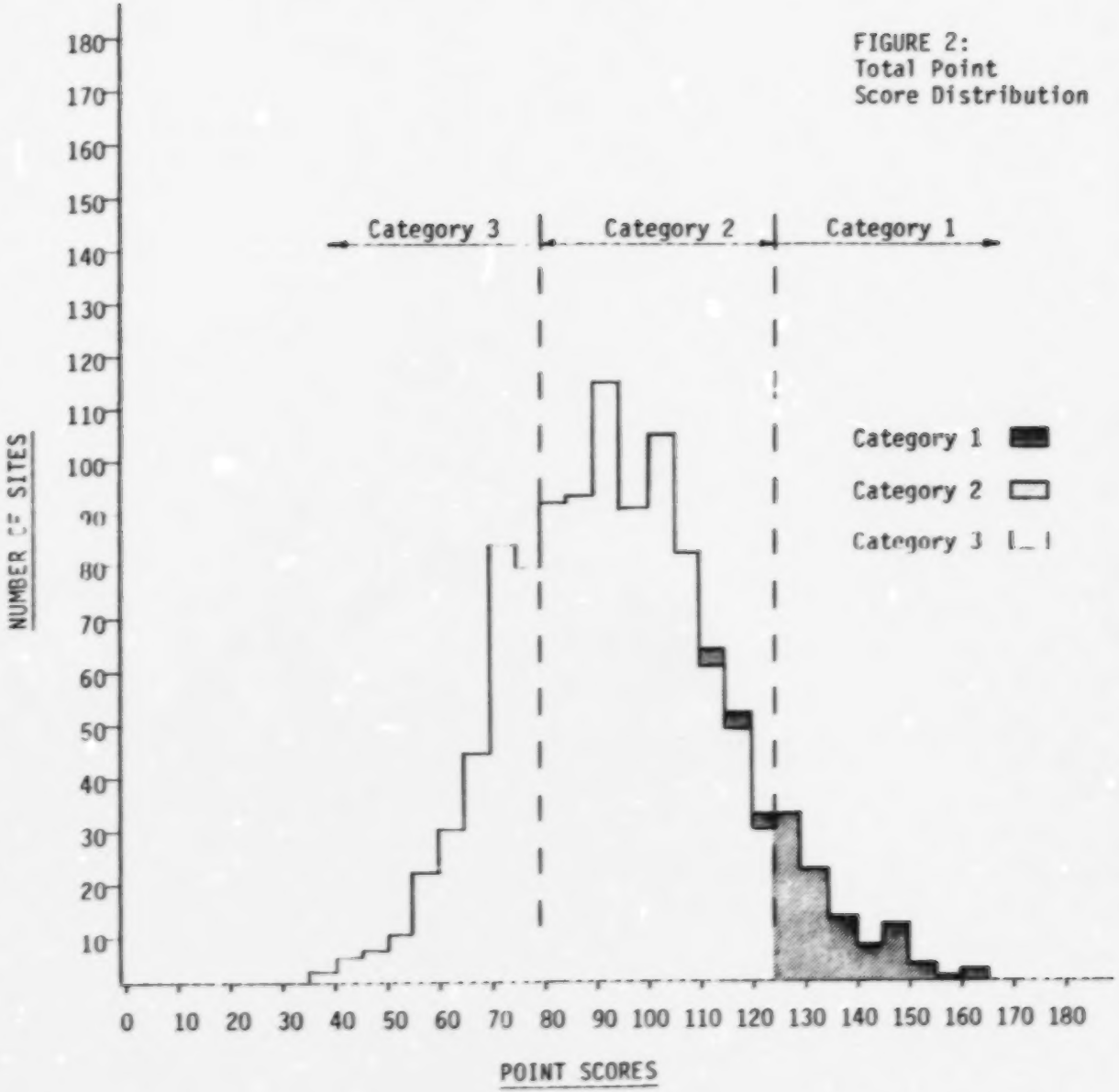

FIGURE 2:
Total Point
Score Distribution

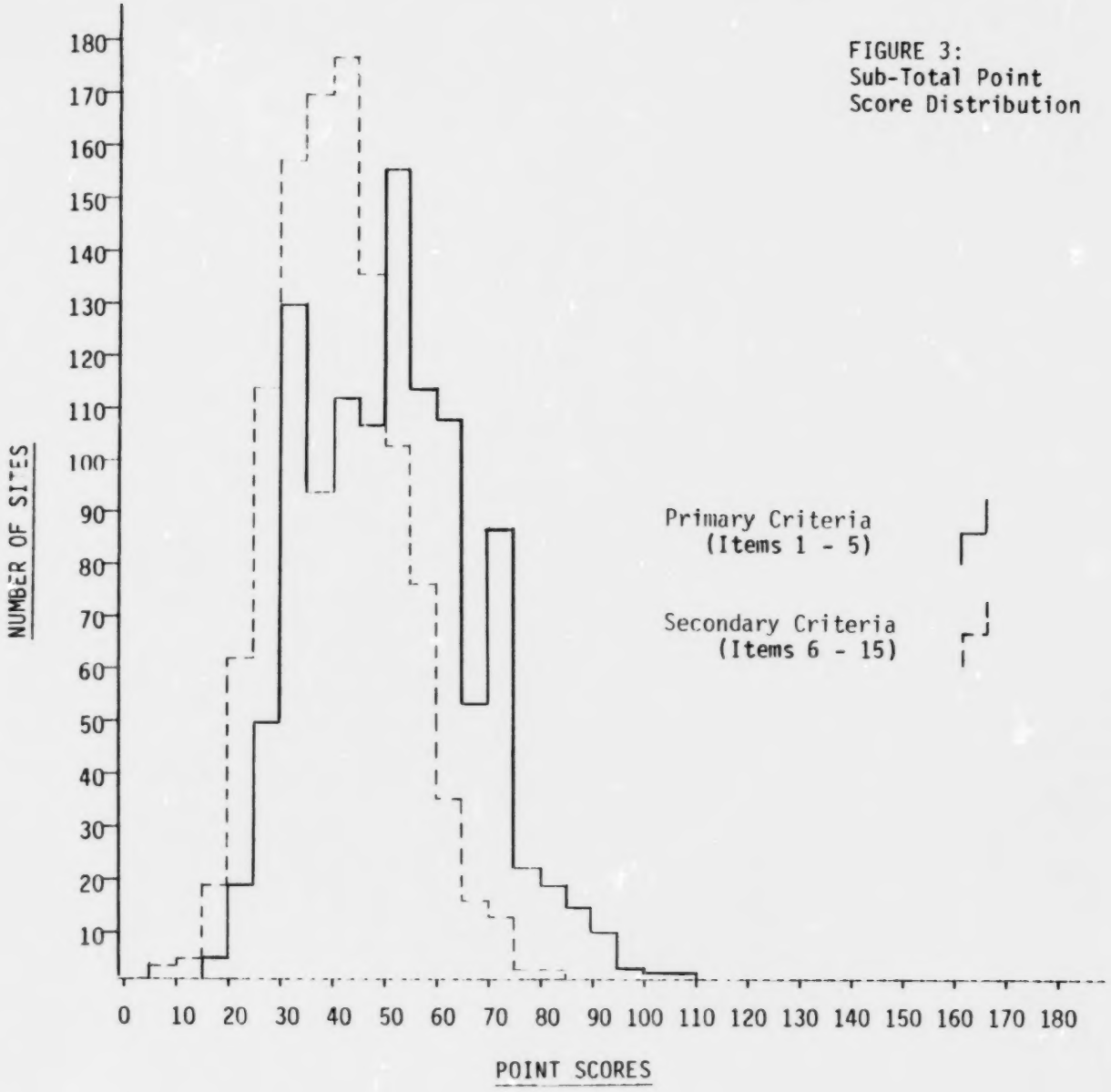

FIGURE 3:
Sub-Total Point
Score Distribution

As previously discussed, sites placed in category 4 are those sites for which complete information was not available. Table B provides a summary of the types of sites in this category.

The following is a discussion of each type of site:

- Canada Custom Stations - serve a very small permanent population and are relatively isolated.

- Indian Reserves - of 32 active sites listed in Table B, 23 are located on 5 reserves. All of the sites serve populations of less than 200 people.

- Department of Tourism and Renewable Resources - these inactive sites are generally in provincial parks, served a temporary population and have been closed for a number of years.

- Rural Municipal/Hamlet - the active sites all serve populations of less than 200 people and are located in generally rural areas. The inactive sites served a population of less than 100 people and/or have been closed for more than 10 years.

- Town/Village/Settlement:

  - Northern Saskatchewan - these sites serve a small population and are relatively isolated.

  - Southern Saskatchewan - active sites serve a population of less than 300 people. Inactive sites generally served a small population and have been closed for a number of years.

TABLE B - SUMMARY OF CATEGORY 4 SITES

Site Owner/Agent Location	Site Status		TOTAL
	Active	Inactive	
Canada Customs Stations	1	1	2
Indian Reserves	32	7	39
Department of Tourism & Renewable Resources	-	11	11
Northern Saskatchewan:			
Town/Village/Settlement	11	2	13
Southern Saskatchewan:			
Rural Municipal/Hamlet	43	117	160
Town/Village	2	17	19
TOTALS	89	155	244

All of the sites in category 4 can generally be described as follows:

- small site size
- small population served
- generally contain low concern waste
- inactive sites closed for a number of years
- no known complaints received on these sites

If assessment of these sites was possible, due to complete information being available, the great majority of these sites would be in category 3. A small number of category 4 sites probably in the range of 1 to 2 percent might be category 2 sites, if assessed. A listing of these sites is provided in Appendix C.

3.4 Study Limitations

It should be recognized that the information assembled in this study is based almost entirely on secondary sources. The verification process has shown that the site information generally is of a reliable nature. Many parameters however should be confirmed to ensure accuracy. Therefore the results of the prioritizing should be considered preliminary only. Future study will be required to confirm this process. A listing of the category 1, 2 and 3 site is provided in Appendix D. Category 4 sites are contained in Appendix C.

4.0 Conclusions and Recommendations

4.1 Conclusions

(1) The survey methodology utilized was the most efficient approach for data collection in Saskatchewan, since no comprehensive centralized disposal site files exist.

(2) The survey methodology used identified as many sites as possible although complete information on all sites was not obtained.

(3) Data collection relied on information from non-technical respondants. Although there may be some minor discrepencies, the verification process generally indicated that the questionnaire information is of good quality.

(4) The population base in southern Saskatchewan is not adequate to support the environmentally sound operation of the large number of active municipal land disposal sites.

(5) The priority scoring system ranked the disposal sites in relative order of concern, but will bias larger sites that receive diverse wastes.

(6) The majority of Category 1 sites are active.

(7) The relatively small number of category 1 sites, 7% of the total, might have been substantially greater if not for the following conditions in Saskatchewan:

- small number of large population centres
- predominance of clay soils
- low moisture surplus
- small industrial base

(8) The large number of sites in Category 2 generally reflect:

- siting of land disposal grounds has not taken into account health and environmental concerns.

- poor to average operating practices with many open dumps and modified landfills with burning.

4.2 Recommendations

(1). Saskatchewan Department of Health should take responsibility for maintaining a central filing system for municipal land disposal sites. The information assembled in this study can be used as a base, and should be updated as required.

(2). The Public Health Inspectors should be encouraged to obtain additional information on active municipal disposal sites for which incomplete information was obtained in this study.

(3). The advisory and site inspection functions for landfills on Indian reserves should be under the jurisdiction of one federal agency instead of the current three. It is understood that this process is now underway.

(4). Phase II of the program should be undertaken. Phase II should include:

- confirmation of Phase I results
- review of category 1 sites to determine the sites that merit further study.

(5). Category 2 disposal sites should be reviewed with owner/operators to improve their maintenance and disposal operations. This might be done by the Public Health Inspectors during the course of their regular inspection program.

(6). Some method of reducing the number of active municipal disposal sites should be considered to ensure that environmentally sound siting and operational conditions can be achieved.

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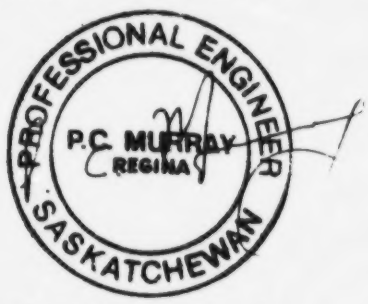

Paul C. Murray, P. Eng.
Project Manager

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2. "Census of Canada, Province of Saskatchewan"; Document DD-76-55; 1976.

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5. "The Role of Saskatchewan Health in the Supervision and Regulation of Solid Waste Disposal Grounds"; Community Health Services Branch, Saskatchewan Health; Dr. D.J. Hoskins, September, 1981.

6. "Saskatchewan Indian Community Environmental Profiles"; Medical Services, National Health and Welfare; 1977.

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APPENDIX A

QUESTIONNAIRE AND COVER LETTER

DILLON

Consulting Engineers & Planners

OUR FILE

YOUR FILE

Dear Sirs

The Federal Government, in cooperation with the provinces is undertaking a nationwide program to determine the environmental impacts of all active and inactive land disposal sites. In Saskatchewan, Environment Canada and the Saskatchewan Department of Environment are participating in undertaking the first phase of the program. This phase will establish the location of and obtain accurate information on all active and inactive land disposal sites in the Province.

Dillon has been retained to complete Phase 1 of the program. A site survey questionnaire is attached. We ask that you review it and have it completed by an appropriate member of your staff familiar with your past and present disposal practices.

The report to be prepared for Phase 1 of this program will identify specific land disposal sites. Also, the information supplied by you will be considered public unless specific items are requested to be kept confidential in your response.

For your information, this questionnaire is being sent to all municipalities in Saskatchewan, Provincial and Federal agencies and industries in the Province.

Please note that it is the objective of this phase of the program to locate all land disposal sites in Saskatchewan and to obtain as much detailed data on these sites as possible. We recognize that there may be very little information available on some sites, particularly closed or abandoned sites. However, we ask you to complete the questionnaire as completely as possible. Also, if you are reporting more than one site, please copy the questionnaire and complete one questionnaire for each site.

We are available to you to clarify the requirements of the survey. Any enquiries or questions should be directed to:

Mr. Paul C. Murray
M. M. Dillon Limited
199 N. Leonard Street
REGINA, Saskatchewan
S4N 5X5
(306) 949-6000

To assist in meeting deadlines, please endeavour to return your questionnaire within one month.

We appreciate that our information request may impose some inconvenience but hope that you perceive the overall program as a positive step towards solving the waste management problems of the Province. We thank you in anticipation for your participation and assistance in this survey.

Yours truly

M. M. DILLON LIMITED

P.C. Murray, P. Eng.
Project Manager

PCM/dr
Encl.

ACTIVE AND INACTIVE LAND DISPOSAL SITE SURVEY
SASKATCHEWAN ENVIRONMENT AND
ENVIRONMENT CANADA

A. SITE IDENTIFICATION

4. Site No: Site name: _____
5. Questionnaire completed by: _____
Title: _____
Date: _____
6. Is more than one site being reported: no _____ yes _____ specify ___

B. SITE LOCATION

1. City _____
Town _____ Name: _____
Village _____
Rural municipality _____
Other (Specify) _____

2. Legal land description

Meridian	_____	Municipality	_____
Range	_____	Lot no.	_____
Township	_____	Part lot	_____
Section	_____	Street address	_____
1/4 Section	_____		_____

or

Have you shown the site location on the attached topographic plan?
yes _____ no _____

C. PROPERTY OWNERSHIP

1. Present owner: Name: _____
Address: _____

2. Previous owner: Name: _____
Address: _____

D. SITE OPERATION

1. Operation status: Open _____
Temporarily closed _____
Permanently closed _____

2. Period of operation: 19___ to 19 ___

3. Type of operation: Landfill _____
   Landfarming _____ (specify method of operation on back of page ____)

4. Method of disposal operation:
   Open dump _____
   Open dump with burning _____
   Dump with occasional cover _____
   Sanitary landfill _____
   Other (specify) _____

5. List of known users of site: _____
   _____
   _____
   _____

   (If additional space required use back of page _____)

6. Population served by site:
   Less than 1000 _____
   1000 to 5000 _____
   5000 to 10000 _____
   Over 10000 _____

7. Waste characteristics:

	Specify Type	% of Total
Municipal solid (household) waste		
Industrial & commercial solid waste		
Waste oils & septic pumpings		
Empty pesticide containers		
Incinerator residue		
Institutional wastes		
Liquid wastes (specify in detail)		
Other (specify in detail)		

8. Quantity of waste: _____ tons or _____ cubic yards

9. Known problems at site: _____
   _____

10. If site closed reasons for closing: _____
    _____

11. Closing methods: _____
    _____

E. SITE CHARACTERISTICS

1. Have engineering studies of this site been done?
   yes _____ no _____ specify _____

2. Current redeveloped use of site (if site closed):

Residential	_____	Insitutional	_____
Recreational	_____	Park	_____
Rural	_____	Agriculture	_____
Commercial	_____	Other (specify)	_____
Industrial	_____		

3. Description of site landform: (eg hill or mound with flat top)_____
_____

4. Surrounding topography: Flat _____ Rolling _____
Gently Rolling _____ Steeply Rolling _____

5. Site drainage:
No drainage (water ponding) _____
Good natural drainage _____
Good ditches _____
Other (specify) _____

6. Dimensions of disposal area: Length _____ft Width _____ft

7. Area: _____ sq. ft. _____ acres

8. Approximate thickness of waste: _____ft.

9. Present condition: (inactive sites only)
Open _____
Partial open (specify) _____
Covered (specify) _____
Vegetated (specify) _____
Other (specify) _____

10. Rats and birds: yes _____ no _____

11. Evidence of seepage: yes _____ no _____

12. Evidence of methane gas or odours: yes _____ no _____

13. Signs of problems associated with seepage or gas: yes _____ no _____
(Describe if yes) _____

14. Soil Type: Thickness (if known)

Gravel	_____	_____ ft
Sand	_____	_____ ft
Clay	_____	_____ ft
Silt	_____	_____ ft
Rock	_____	_____ ft

Additional comments: _____

15. Water table: Depth below surface: _____ ft
Contact with waste: yes _____
no _____
unknown _____

16. Site flooding: Frequently _____
Infrequently _____
Never _____

17. Distance to nearest surface water bodies including intermittent streams:
Identify _____
Distance _____ft or _____mi

18. Surface water uses:

Recreational _____
Irrigation _____ Acreage _____
Commercial or industrial _____
Municipal water supply _____ Population served _____
Not currently used for above _____

19. Distance to nearest house: _____ ft or _____ mi

20. Distance to nearest well: _____ ft or _____ mi

21. Number of wells within 3 miles of site: _____
Population served _____

22. Industrial wells within 3 miles of site - list industries:

_____
_____
_____

23. Land Use of Adjoining Properties:

	0 - 1000'	1000' - 1 mi	1 mi - 5 mi	5 mi
N				
E				
S				
W				

RESidential
RECreational
RURal
COMmercial
INDustrial
PARK (park/game preserve
AGriculture
OTHER (specify)

GENERAL COMMENTS

Please return completed questionaires to:

M.M. Dillon Limited
199 North Leonard Street
REGINA, Saskatchewan S4N 5X5

ATTENTION: Mr. P. C. Murray, P. Eng.

If you have any questions on completing this survey, please call Mr. Murray at 949-6000.

APPENDIX B

SITE FIELD SURVEY

- Criteria for Screening Process
- List of Sites Field Surveyed
- List of Sites Eliminated from Field Survey

CRITERIA FOR ESTABLISHING SITES TO BE FIELD SURVEYED

1 - Remove all sites from consideration where return is complete.

2 - Remove all sites from consideration where return is substantially complete and missing information can be obtained from agency files or owner.

3 - Remove all active municipal sites from consideration (assume surveys can be completed by review of agency files and discussions with Public Health Inspectors).

4 - Remove active other sites from consideration (assume surveys can be completed by review of agency files and discussions with owners).

Based on the above criteria the following number of sites remain:

RM & NCA*	C,T,V*	OTHERS	TOTAL
110	108	4	222

5 - Remove abandoned sites where municipality is aware of site and has agreed to complete survey.

RM & NCA	C,T,V	OTHERS	TOTAL
93	68	2	163

6 - Remove sites which had less than 100 people (i.e. Hamlet vs Village).

RM & NCA	C,T,V	OTHERS	TOTAL
15	63	2	80

6 Hamlets
9 RM's (Pop served to be checked)

Assuming RM sites have population served of less than 100 (to be checked with PHI), therefore, sites to be surveyed is:

RM & NCA	C,T,V	OTHERS	TOTAL
6	63	2	71

* RM - Rural Municipality
NCA - Northern Community Association
C,T,V - Cities, Towns and Villages

7 - Remove sites that have been closed for more than 20 years.

RM & NCA	C,T,V	OTHERS	TOTAL
6	59	2	67

8 - Remove sites from consideration that have been closed for more than 10 years.

RM & NCA	C,T,V	OTHERS	TOTAL
6	55	2	63

* RM - Rural Municipality
NCA - Northern Community Association
C,T,V - Cities, Towns and Villages

SITE VISITS

INACTIVE

Rush Lake (RM Excelsior)
Abernethy (RM Abernethy)
Wakaw Lk (Hoodoo)
Hamlet - Crooked River (Bjorkdale)
Nisbeth Forest (Prince Albert)
Hamlet - Prince (Meota)
Hamlet - Mont Nebo (Canwood)
Hamlet-Christopher Lake (Lakeland)
Melfort
Melville - 2 sites
North Battleford - 4 sites
Prince Albert - 3 sites
Swift Current
Allan
Churchbridge
Coderre
Colonsay
Cudworth
Fort Qu'Appelle
Hepburn
Hague
Kincaid
Leader
Leask
Lemberg
Martensville
MaryField
Mossbank
Nipawin - 2 sites
Paradise Hill
Ponteix
Rosthern
Shell Lake
Val Marie
Wawota
White Fox
Yellow Creek

44

ACTIVE

Abernethy (RM Abernethy)
Lorlie (RM Abernethy)
Wakaw Lake (Hoodoo)
Melville
Prince Albert
Allan
Churchbridge
Colonsay
Cudworth
Domremy
Kincaid
Leader
Lemberg
Martensville
MaryField
Nipawin
Shell Lake
Val Marie
Yellow Creek

19

FIELD SURVEY SITE ELIMINATION

LOCATION	REASON FOR ELIMINATION FROM SITE VISIT	ACTION TAKEN
RM Sherwood - 2	1 small site 1 non -existant	information gathered over phone
RM Pense - 1	1 very small site no one knew where it was - spent two hours looking for it	information over phone
RM Chesterfield	1 site Already reported by Village of Eatonia	result of phone call
RM St. Andrews	15-20 people had used it	result of phone call
RM Prairiedale	was actually active site - 3 farm families using - very small	result of phone call
RM Hudson Bay	small site, closed nearly 10 years ago	information over phone
RM Hoodoo - 2	1 abandoned site 1 actually still active	both sites visited
North Battleford 6 sites	2 sites actually 1 site 1 site closed no access	site visited information over phone
Saskatoon	actually a small site used by 4 or 5 families closed many years ago	looked for location for 1½ hours, then information over phone
Cando	complete questionnaire returned	
Canwood	no Sec. Treas. available no residents seemed to know of site	information over phone
Domremy	no inactive site	time spent looking
Frobisher	no abandoned site	

LOCATION	REASON FOR ELIMINATION FROM SITE VISIT	ACTION TAKEN
Indian Head - 2 sites	questionnaire returned completed	
Glaslyn	closed many years ago	information over phone
Shell Lake	1 site visited 1 site did not exist	time spent looking for site

19 abandoned sites eliminated
44 abandoned sites visited

63 Total

APPENDIX C

CATEGORY 4 SITES

LEGEND

MUNICIPAL LOCATION

R - Rural Municipality
H - Hamlet
V - Village
T - Town
C - City
P - Park
I - Indian Reserve
N - Northern Community Association

SITE STATUS

9 - Active
7 - Inactive
2 - Future Site
1 - Shared Site
0 - No Site Reported
- - No Response Received

LEGAL DESCRIPTION

NE05022402 = NE 1/4 - Sec 05 - TWP 02 - RGE 24 - W2

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
07B	Souris Valley	07	-	H Hofer	-	7
07C	Souris Valley	07	-	- Ratcliffe	-	7
10A	Happy Valley	10	-	H Big Beaver	NE05022402	7
14A	Lone Tree	18	-	H Canuck	NW10031703	7
19A	Browning	34	-	H Wilmar	NW22060402	7
19B	Browning	34	-	H Steelman	SE15040502	7
19C	Browning	34	-	H Browning	NW04060502	7
20A	Benson	35	-	H Woodley	NE28050702	7
20B	Benson	35	-	H Cullen	-	7
23A	Laurier	38	-	H Neptune	-	7
23B	Laurier	38	-	H Brooking	-	7
35A	Moose Mountain	63	-	- Wordsworth	-	7
38B	Griffin	66	-	H Huntoon	SW12071002	7
38C	Griffin	66	-	H Innes	NE31071002	7
38D	Griffin	66	-	H Hume	NE19081202	7
39	Weyburn	67	-	H Grassdale	-	7
39C	Weyburn	67	-	H Newness	--34081502	7
41A	Norton	69	-	- Moreland	-	7
41B	Norton	69	-	- Amulet	-	7
46	Wood River	74	-	H Malevale	-	7
46A	Wood River	74	-	H Woodrow	-	7
56B	Golden West	95	-	- Handon	-	9
58B	Wellington	97	-	- Worcestire	-	7
60A	Caledonia	99	-	H Dummer	SE30102102	7
63	Lake Johnston	102	-	H Mitchellton	SE25112802	7
63A	Lake Johnston	102	-	R Lake Johnston	SE17102902	7
64A	Sutton	103	-	R Sutton	NE08100303	9
68A	Lac Pelletier	107	-	R Camp Elim	SW24121503	7

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
69	Bone Creek	108	012151	H Simmie	-	9
69A	Bone Creek	108	012152	H Instow	-	9
69B	Bone Creek	108	012153	H Scotsguard	-	9
69C	Bone Creek	108	012155	R Carefree Park	-	9
81A	Bratt's Lake	129	-	H Corrine	-	7
87A	Lawtonia	135		H North Kelster	-	7
90B	Webb	138	012154	- Duncairn Dam	-	9
99A	Indian Head	156	052002	H Avonhurst	NW23191602	7
99B	Indian Head	156	052019	H Edgely	NW27191502	7
101A	Edenwold	158	-	H Zehner	-	7
104	Moose Jaw	161	-	H Boharm	SW06172703	7
108A	Morse	165	-	H Gouldtown	SE31190903	7
112A	Pittville	169	-	R Pittville	NE26171903	7
112B	Pittville	169	-	R Pittville	SW28161903	7
139A	Victory	226	-	H Demaine	SW25221003	7
142A	Clinworth	230	-	H Lemsford	-	7
159	Monet	257	073147	H Forgan	NW29261303	9
159A	Monet	257	073149	H Wartime	SE32251603	9
159B	Monet	257	-	H Birchleigh	SE16271703	9
162A	Chesterfield	261	-	H Laporte	-	7
167B	Foam Lake	276	-	H Leslie	-	9
178	St. Andrews	287	-	H Glamis	SW13281403	7
187A	Big Quill	308	-	H Kandahar	-	7
189A	Osborne	310	-	H Esk	-	7
190A	Morris	312	-	H Renown	-	7
195A	Marriott	317	-	H Valley Centre	-	7
199	Prairiedale	321	-	R Prairiedale	NE36332503	7
199A	Prairiedale	321	-	R Prairiedale	NW04312603	9
201A	Livingston	331	-	H Whitebeach	NW32353001	7
202B	Clayton	333	-	H Danbury	NW04360202	7

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
212A	Blucher	343	-	R Blucher	-	7
229A	Eagle Creek	376	-	H Sonningdale	-	7
233	Tramping Lake	380	-	H Revenue	NW35372103	7
234A	Grass Lake	381	-	R Grass Lake	NE32382403	7
236C	Hudson Bay	394	-	H Erwood	-	7
239A	Pleasantdale	398	-	H Reward	NE32382403	7
240A	Lake Lenore	399	-	H Dalesford	-	7
241A	Three Lakes	400	-	H Reynaud	-	7
244A	Rosthern	403	-	H Blumenthal	-	7
244B	Rosthern	403	-	H Gruenthal	-	7
244C	Rosthern	403	-	H Neumlange	-	7
244D	Rosthern	403	-	H Carlton	-	7
245	Laird	404	082173	R Laird	NW24400603	9
245A	Laird	404	082150	T Waldheim	NW23420503	9
247A	Mayfield	406	-	H Fielding	NE07411103	7
249	Buffalo	409	-	H Phippen	NE13402103	7
249A	Buffalo	409	-	H Cloan	SW13422003	7
252C	Bjorkdale	426	113115	H Peesane	-	9
253	Tisdale	427	113110	H Sylvania	-	9
253A	Tisdale	427	116138	H Edlersley	-	9
254	Star City	428	115141	H Resource	-	9
255A	Flett's Springs	429	115135	H Ethelton	-	9
256	Invergordon	430	-	H Crystal Springs	SE01442302	9
256A	Invergordon	430	-	H Tway	-	7
256B	Invergordon	430	-	H Tarnopol	-	7
256C	Invergordon	430	-	H Crystal Springs	-	7
256D	Invergordon	430	126371	P Struthers Uk	SW02452302	9
256E	Invergordon	430	126388	H Meskinaw	SW14442202	9

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
257B	St. Louis	431	-	H St. Isadore	-	7
257C	St. Louis	431	-	H Hoey	-	7
258A	Blaine Lake	434	-	H Tallman	-	7
264	Hillsdale	440	-	H Freemont	NE25442503	7
267A	Connaught	457	-	H Avonlee	NE05481402	7
267B	Connaught	457	-	H Carlea	-	7
268	Willow Creek	458	115143	H Fairy Glen	-	9
268A	Willow Creek	458	115144	H Gronlid	-	9
268B	Willow Creek	458	115145	H Brooksby	-	9
271	Prince Albert	461	126377	R Prince Albert	SW04492302	9
271B	Prince Albert	461	-	H Clouston	-	7
272B	Duck Lake	463	-	- Fort Carlton	-	7
272C	Duck Lake	463	-	- Ferry Crossing	-	7
272D	Duck Lake	463	126373	H Lily Plain	NW21480103	9
273	Leask	464	-	H Martens Lake	-	7
273A	Leask	464	-	H Emerald Lake	-	7
273B	Leask	464	-	H Lac La Piche	NE03460803	9
273C	Leask	464	-	V Pebble Baye	NW34480703	9
273D	Leask	464	126374	P Emerald Lk Reg	NE30460703	9
273E	Leask	464	126262	P Martens Lk Reg	NE33480703	9
273F	Leask	464	126376	- Peter Garand	SW26480803	9
284	Garden River	490	-	R Garden River	-	7
284A	Garden River	490	-	R Garden River	-	7
285A	Buckland	491	-	H Albertville	-	7
285B	Buckland	491	-	H Henribourg	-	7
285C	Buckland	491	-	H Sprucehome	-	7
287A	Canwood	494	-	H Ordale	-	7
287B	Canwood	494	-	H Victoire	-	7
288	Spiritwood	496	-	H Mildred	-	9
288A	Spiritwood	496	-	H Baupame	-	7

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
288B	Spiritwood	496	126186	H Echo Bay	-	9
288C	Spiritwood	496	126187	- Shell Lk Coop	-	9
288D	Spiritwood	496	126355	P Meeting Lk Reg	-	9
288E	Spiritwood	496	126379	- Lac Evclair	-	9
294A	Paddockwood	520	-	H Northside	SW28532602	7
295	Lakeland	521	-	H Okema	SE29532702	7
295B	Lakeland	521	-	H Neis	NW12532702	7
295C	Lakeland	521	-	H Carwin Park	--15532702	9
295I	Lakeland	521	-	H Spruce Pk.	SW06532602	7
295K	Lakeland	521	-	H Birch Bay	-	7
295L	Lakeland	521	-	H Tweedsmuir	-	7
295M	Lakeland	521	-	H McIntosh Pt.	-	7
295N	Lakeland	521	-	H Sunnyside	-	7
295O	Lakeland	521	-	H Cullenere Paty	-	7
295P	Lakeland	521	-	H Sunset Bay	-	7
295Q	Lakeland	521	-	H Guise	-	7
302	Ile-a-La Crosse	NC2	201203	N Ile-a-la-Crosse	-	9
304	Sandy Bay	NC4	201464	N Sandy Bay	-	9
304A	Sandy Bay	NC4	-	N Sandy Bay	-	7
306A	Beauval	NC6	-	N Beauval	-	7
307	Green Lake	NC7	-	N Green Lake	-	9
340A	Arran	331	-	V Arran	NW06343001	7
348I	Balgonie	158	-	V Balgonie	-	7
364J	Bladworth	282	-	V Bladworth	SE12280203	7
385	Candle Lake	520	-	V Candle Lake	NE09552202	9
385A	Candle Lake	520	-	V Candle Lake	-	7
385B	Candle Lake	520	-	V Candle Lake	-	7
385C	Candle Lake	520	-	V Candle Lake	-	7
385D	Candle Lake	520	-	V Candle Lake	-	7
388A	Canwood	494	-	V Canwood	-	7

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
425A	Denholm	406	-	V Denholm	-	7
449A	Elrose	257	-	- -	-	7
458A	Fairlight	91	-	V Fairlight	NW30103101	7
469	Fosston	367	111122	V Fosston	-	9
472A	Frobisher	4	-	V Frobisher	SW13030402	7
478	Glaslyn	498	-	V Glaslyn	-	7
515B	Indian Head	156	-	T Indian Head	Block 11	7
521A	Kamsack	271	-	T Kamsack	-	7
549A	Landis	379	-	V Landis	SW27371803	7
560A	Leipzig	379	-	V Leipzig	-	7
572A	Loon Lake	561	-	V Loon Lake	NE23550223	7
586A	Makwa	561	-	V Makwa	SW16580203	7
591A	Maple Creek	111	-	T Maple Creek	NW15110863	7
594A	Margo	336	-	V Margo	NW14330902	7
595A	Markinch	218	-	V Markinch	-	7
602A	Mazenod	103	-	V Mazenod	SE33100203	7
607	Meath Park	490	126303	V Meath Park	NW29512302	9
610A	Meota	468	-	V Meota	SE05471703	7
629	Netherhill	290	-	V Netherhill	NE03292103	7
636A	Odessa	127	-	V Odessa	SE25151402	7
650	Pense	160	-	V Pense	-	7
651A	Penzance	221	-	V Penzance	-	7
651B	Penzance	221	-	V Penzance	-	7
724B	Spy Hill	152	-	V Spy Hill	NW02193101	7
749	Tompkins	139	-	V Tompkins	SW10132103	7
755	Tuxford	191	-	V Tuxford	-	7
768	Wadena	337	-	T Wadena	-	7
773A	Waldron	184	-	V Waldron	SE32210401	7
782A	Weirdale	490	-	V Weirdale	----522302	7

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
783A	Weldon	459	-	V Weldon	-	7
786	White City	158	-	V White City	SW35171802	7
796A	Wolseley	15-		T Wolseley	SE11171002	7
807	Zenon Park	456	-	V Zenon Park	-	7
864B	Sask. Tour & Renew	-	-	V Chitek Lake	-	7
864K	Sask. Tour & Renew	-	-	P Greig Lake	NE17631803	7
864L	Sask. Tour & Renew	-	-	P Greig Lake	SW08631803	7
864N	Sask. Tour & Renew	-	132119	P Flotten Lake	-	7
864R	Sask. Tour & Renew	-	132123	P Jumbo Lake	-	7
864S	Sask. Tour & Renew	-	132117	P Kimball Lake	-	9
864T	Sask. Tour & Renew	-	-	P Mallard Lake	SW03651703	7
864U	Sask. Tour & Renew	-	-	P Mallard Lake	SW32641703	7
866D	Sask. Tour & Renew	-	-	P Greenwater	-	7
868	Sask. Tour & Renew	-	-	- Ness Lake	-	7
868A	Sask. Tour & Renew	-	-	- Nesslin Lake	-	7
878	Willow Creek	-	-	B Willow Creek	-	9
878A	Willow Creek	-	-	B Willow Creek	-	7
87?	Bear Creek	-	-	- Bear Creek	-	9
880	Besnard Lake Camp	-	-	- Besnard Lk Camp	-	9
882	Camsell Portage	-	-	- Camsell Portage	-	9
885A	Denare Beach	-	-	- Denare Beach	-	7
886A	Deschambault	-	-	- Deschambault	-	7
887	Descharme Lake	-	201209	- Descharme Lake	-	9
891	Garson Lake	-	201210	- Garson Lake	-	9
892	Ile-a-la-Crosse	-	-	P Ile-a-la-Crosse	-	9
896	Key Lake	-	-	- Key Lake	-	9
899	Little Amyotte	-	-	- Little Amyotte	-	9
923	Weyakwin	-	-	- Weyakwin	-	9
924	Neimbian	-	-	- Neimbian	-	9
925	Davin	-	-	- Davin	-	9

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
932	Red Earth	- -		I Red Earth	-	9
932A	Red Earth	- -		I Red Earth #2	-	9
932B	John Smith	- -		I John Smith	-	9
932C	John Smith	- -		I John Smith	-	7
932D	Sandy Lake	- -		I Masuskapoe	-	9
932E	Sandy Lake	- -		I Saskamoose	-	9
932F	Sandy Lake	- -		I Generaux	-	9
932G	Sandy Lake	- -		I Nayneecassum	-	9
932H	Sandy Lake	- -		I Ahenakew	-	9
932I	Sandy Lake	- -		I Boundary	-	9
932J	Sandy Lake	- -		I Warehouse	-	9
932K	Sandy Lake	- -		I Littles	-	9
932L	Sandy Lake	- -		I Polwarth	-	9
932M	Sandy Lake	- -		I Angus Knife	-	9
932N	James Smith	- -		I Band Farm	-	9
932O	James Smith	- -		I North	-	7
932P	James Smith	- -		I Reserve Centre	-	7
932Q	James Smith	- -		I Centre West	-	7
932R	Whitefish Lake	- -		I Big River	-	9
932S	Whitefish Lake	- -		I Big River	-	9
932T	Whitefish Lake	- -		I Big River	-	9
932U	Pelican Lake	- -		I West	-	9
932V	Pelican Lake	- -		I Chamakese	-	9
932W	Pelican Lake	- -		I Chitek Lake	-	9
933	Fond-Du-Lac	- -		I Air Strip	-	9
933A	Witchekan Lake	- -		I Witchekan Lake	-	9
933B	Sturgeon Lake	- -		I Band Store	-	9
933C	Sturgeon Lake	- -		I Band Farm	-	9
933D	Sturgeon Lake	- -		I East	-	9
935	Mistawasis	- -		I Mistawasis	-	9

CATEGORY '4'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
935A	One Arrow	- -		I One Arrow	-	9
935B	Montreal Lake	- -		I Montreal Lake	-	9
935C	La Ronge	- -		I LaRonge	-	9
935D	Little Red -	- -		I Little Red	-	9
935E	Peter Ballantyne	- -		I Peter Bellantyne	-	9
953	Beardy	- -		I Beardy	NW04440303	7
953A	Beardy	- -		I Beardy	NW01440303	7
953B	Beardy	- -		I Beardy	NE12440303	7
953C	Beardy	- -		I Beardy	NW35430303	9

APPENDIX D

CATEGORY 1, 2, 3 SITES

LEGEND

MUNICIPAL LOCATION

R - Rural Municipality
H - Hamlet
V - Village
T - Town
C - City
P - Park
I - Indian Reserve
N - Northern Community Association

SITE STATUS

9 - Active
7 - Inactive
2 - Future Site
1 - Shared Site
0 - No Site Reported
- - No Response Received

LEGAL DESCRIPTION

NE05022402 = NE 1/4 - Sec 05 - TWP 02 - RGE 24 - W2

CATEGORY '1'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
16	Storthoaks	31	-	H Fertile	SW15053001	9
16A	Storthoaks	31	033007	H Bellegarde	NE16063101	9
38	Griffin	66	033089	H Griffin	SE28081102	9
38A	Griffin	66	033209	H Froude	SW27081002	9
165A	Good Lake	274	102283	H Georges Bch	SW26290502	9
167	Foam Lake	276	106123	H Fishing Lake	NE06331102	9
184	Buchanan	304	102288	H Crystal Lake	NE25330402	9
188	Prairie Rose	309	081204	R Prairie Rose	SE01332102	9
213A	Corman Park	344	083107	H Neuhoist	NW32390403	9
225	Hurtboldt	370	116014	H Carmel	NE33372402	9
259A	Redberry	435	137032	P Redberry	NW22430903	9
283A	Torch River	488	112165	H Shipman	SW18522002	7
286	Shellbrook	493	126297	H Deer Ridge	--25510203	9
287	Canwood	494	125083	H Mont Nebo	NW05500603	9
295D	Lakeland	521	-	H Christopher Lk.	NE32522602	7
295J	Lakeland	521	126083	H Anglin Lake	SE32542702	9
310	Estevan	C1	-	C Estevan	SE13020802	9
310A	Estevan	C1	-	C Estevan	NW12020802	7
312	Lloydminster	C3	133158	C Lloydminster	SW13502803	9
313	Melfort	C4	115142	C Melfort	SW11194502	9
314B	Melville	C5	101106	C Melville	NW35220602	9
316	North Battleford	C7	131128	C N. Battleford	NW15441603	9
316D	North Battleford	C7	-	C N. Battleford	99 St.	7
316E	North Battleford	C7	-	C N. Battlefrd	SW33431603	9
317	Prince Albert	C8	126175	C Prince Albert	NW18482602	9
317A	Prince Albert	C8	-	C Prince Albert	NW27482602	7
317B	Prince Albert	C8	-	C Prince Albert	SE27482602	7
317C	Prince Albert	C8	-	C Prince Albert	NW27482602	7
318B	Regina	C9	-	C Regina	NW03181902	9
319	Saskatoon	C10	-	C Saskatoon	6E3255P7LK	9

CATEGORY '1'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
321	Weyburn	C12	31063	C Weyburn	S116081402	9
322A	Yorkton	C13	-	C Yorkton	SW36250402	7
322C	Yorkton	C13	-	C Yorkton	SW14260402	7
366	Borden	405	82162	R Great Bend	NE33390903	9
377	B-Say-Tah	187	51118	V B-Say-Tah	NE11211402	9
400	Choiceland	488	12154	T Choiceland	SW20521702	9
410	Consul	51	12162	V Consul	NW12042703	9
416	Cudworth	401	24093	V Cudworth	SE36402702	9
482	Glentworth	440	4103	V Glentworth	SW36050603	9
487	Goodwater	37	31299	V Goodwater	NE21051302	9
495	Hague	403	-	V Hague	SW07410303	9
505	Herbert	165	23095	T Herbert	SW18170903	9
511	Hudson Bay	394	13128	T Hudson Bay	SE10450302	9
511A	Hudson Bay	394	-	T Hudson Bay	SE04450302	7
530	Kennedy	93	53291	V Kennedy	NW15120302	9
532	Kerrobert	361	72116	T Kerrobert	NW07342203	9
558A	Leask	464	-	V Leask	SE01470603	7
568	Limerick	73	24287	V Limerickge	NE13080303	9
591	Maple Creek	111	14027	T Maple Creek	SW14110263	9
613	Meyronne	75	24054	V Meyronne	SE25080703	9
627	Naicam	398	15139	R Pleasantdale	NE02401802	9
632A	Nipawin	487	-	T Nipawin	SE04511402	7
636	Odessa	127	52146	V Odessa	SW30151302	9
640	Outlook	284	73158	T Outlook	NW10291203	9
645A	Paradise Hill	501	-	V Paradise Hill	NW04522403	7
651	Penzance	221	55114	V Penzance	SW21242502	9
660	Ponteix	76	12164	T Ponteix	NE15091103	9

CATEGORY '1'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
671	Radisson	405	082158	T Raddison	SE29401003	9
672	Radville	38	031163	R Laurier	SE05061702	9
672A	Radville	38	-	T Radville	NE07061702	7
681	Riverhurst	224	022154	V Riverhurst	NE27220703	9
694	Saltcoats	213	107016	R Saltcoats	NE12240202	9
706	Shelo	275	104181	V Shedo	NW09300902	9
707	Shellbrook	493	125077	R Shellbrook	SW33480303	9
707A	Shellbrook	493	-	R Shellbrook	NW16490303	7
708	Shell Lake	496	125085	V Shell Lake	NE14500803	9
731	St. Louis	431	124096	V St. Louis	NE05442702	9
746	Tisdale	427	113109	T Tisdale	SE35441402	9
768A	Wadena	337	111133	T Wadena	NE32341202	9
787A	White Fox	488	-	V White Fox	SE11521502	7
790	Wilkie	409	134139	T Wilkie	NE31391903	9
835	MacMillan Bloedel	-	-	R Hudson Bay	S-04450302	9
847	Saskatoon Chemicals	-	-	R Corman Park	SW26370503	7
853	Univ. of Saskatoon	-	083057	C Saskatoon	NW12360503	9
864C	Sask. Tour & Renew	-	-	P Lac Des Isles	NW31622303	9
864D	Sask. Tour & Renew	-	-	P Mistohay	SE19632003	9
867	Sask. Tour & Renew	-	071044	P Sask. Landing	NW01201503	9
868G	Sask. Tour & Renew	-	-	P Torch River	SE29541802	9
868H	Sask. Tour & Renew	-	-	P Torch River	SW15541602	9
869C	Sask. Tour & Renew	-	101143	P Crooked Lake	SW07190502	9
874	Coronach	11	-	B Coronach	SW03012602	9
888	Dore Lake	-	-	- Dore Lake	-	9
889	East Trout Lake	-	-	- East Trout Lake	-	9
904	Missinipe	-	201777	- Missinipe-Otter	-	9
913	Stanley Misson	-	201094	- Stanley Mission	-	9
915	Sturgeon Landing	-	201529	- Sturegon Landing	-	9

CATEGORY '1'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
920	West Sturgeon Weir	-	201508	- W. Sturegon W.	-	9
927	Ministikwam	-	-	I Ministikwan #161	-	9
927C	Joseph Bighead	-	-	I Joseph Bighead	124	9
927F	Salteaux	-	-	I Salteaux	159	9
927J	Waterhen	-	-	I Waterhen	130	9
927K	Moosomin	-	-	I Moosomin	112	9
928J	Fort Walsh Park	-	-	P Fort Walsh	----072903	9
929	Muskeg Lake	-	-	I Muskeg Lake	NE36460703	9
929A	Muskeg Lake	-	-	I Muskeg Lake	NE35460703	9
934A	PA Nat'l Park	-	-	P Narrows	SW06570203	7
954	P.A. Penitentary	-	-	C P.A. Pen.	SW07482702	7

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
06	Cambria	06	-	H Outram	NW29021002	9
07	Souris Valley	07	031305	H Bromhead	SE03031302	9
07A	Souris Valley	07	031001	H Oungre	SW27021402	9
12	Poplar Valley	12	-	H Constance	SW11032902	9
13	Val Marie	17	015098	H Masefield	NE22021403	7
22	Lamond	37	031291	H Maxim	SW29041502	9
25	Bengough	40	021164	T Bengough	NE22052402	9
25A	Bengough	40	-	T Bengough	SE26052402	7
26	Willow Bunch	42	024117	R Willow Bunch	SE24052802	9
26A	Willow Bunch	42	023215	H Scout Lake	SE08053002	9
26B	Willow Bunch	42	023217	H Lisieux	NE03043002	9
27	Old Post	43	024303	H Flintoft	--17060303	9
29A	Mankota	45	024095	H McCord	NW25050703	9
32	White Valley	49	012159	H Ravenscrag	SW30062303	9
34	Antler	61	-	H Wauchope	B5/L4-8---	9
39B	Weyburn	67	-	H Ralph	SE16071302	7
42	Key West	70	021169	H Kayville	SW13092402	9
42A	Key West	70	-	H Glasneuin	NE10072302	9
43	Excel	71	021166	H Ormiston	NW18092502	9
43A	Excel	71	021167	H Crane Valley	NE30092602	9
43B	Excel	71	023213	H Verwood	NW30062702	9
43C	Excel	71	023214	H Readlyn	SW30072702	9
45	Stonehenge	73	024021	H Congress	SE23090103	9
53	Walpole	92	056048	H Kelso	NE29113301	9
53A	Walpole	92	056053	H Parkman	SW04093301	9
53B	Walpole	92	-	R Walpole	NE36103301	7
58	Wellington	97	031017	H Cedoux	NW04111402	9
58A	Wellington	97	033149	H Tyvan	SW28121302	9
58C	Wellington	97	031019	H Colfax	SW28111502	9
59	Scott	98	052104	H Lewvan	SE23121602	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
60	Caledonia	99	-	R Caledonia	SE18112002	9
60B	Caledonia	99	052157	H Parry	NW36092102	9
61	Elmsthorpe	100	-	H Claybank	NW33122402	9
61A	Elmsthorpe	100	021170	H Truax	NW16112202	9
62	Terrell	101	-	H Bayard	SE25122502	9
63B	Lake Johnston	102	024310	H Vantage	NE21103002	9
63C	Lake Johnston	102	-	H Ardill	NE30112802	9
64	Sutton	103	-	R Sutton	SE17120103	9
65	Gravelbourg	104	024281	P Thomson Lk RP	NW36090503	9
66	Glen Bain	105	011028	R Glen Bain	SE29100803	9
67	Whiska Creek	106	011030	H Pambrun	SE28111103	9
68	Lac Pelletier	107	011025	H Lac Pelletier	NE13121503	9
71	Piapot	110	014028	R Piapot	NW08122303	9
71A	Piapot	110	-	R Piapot	NW17122303	7
73A	Moosomin	121	056054	P Moosomin Reg.	NW01133201	9
75	Silverwood	123	053289	R Silverwood	SW03130302	9
77	Chester	125	052163	H Peebles	NW12140802	9
78	Montmartre	126	052130	H Montmartre	NW28141102	9
78A	Montmartre	126	052010	H Candiac	NE35141002	9
80A	Lajord	128	052006	H Davin	SE35161602	9
80D	Lajord	128	052177	H Riceton	NW30131702	9
85A	Rodgers	133	-	H Courval	SW08140203	7
89	Swift Current	137	011027	H Cantaur	SW33161503	9
89A	Swift Current	137	011026	H Beverly	SW22151503	9
89P	Swift Current	137	011032	V Wymark	NW28131303	9
90A	Webb	138	014022	P Antelope Lake	NW21151803	9
96A	Willowdale	153	056058	H Percival	SW19160302	9
99	Indian Head	156	-	H Katepwa Lake	NE21191202	9
101	Edenwold	158	-	R Edenwold	NW23171802	7
105	Caron	162	023091	R Caron	NE24172902	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
106	Wheatlands	163	022282	H Parkbeg	SE25170303	9
107	Chaplin	164	023090	H Uren	SE33170603	9
109	Excelsior	166	011038	R Excelsior	SE16171103	9
109B	Excelsior	166	011033	P Herbert Reg.	SE13201103	9
116	Grayson	194	101144	H Melville Bch	NW12190602	9
118	Abernethy	186	054178	V Abernethy	NE18201002	9
119A	North Qu'Appelle	187	056046	R N. Qu'Appelle	NE07201202	9
119C	North Qu'Appelle	187	-	H Sanatoria	SE24211402	7
119D	North Qu'Appelle	187	-	R N. Qu'Appelle	SE23211502	7
128	Stanley	215	-	H Birmingham	NW09230702	9
133	McKillop	220	-	R McKillop	NE21232302	7
134	Sarnia	221	051216	R Wee-Too Beach	SE05232302	9
134A	Sarnia	221	056033	H Sarnia Beach	SE36232402	9
137A	Maple Bush	224	022153	P Palliser Pk	SE19220703	9
140C	Lacadena	228	-	H Lacadena	NW11231703	9
141	Miry Creek	229	013037	V Abbey	NW29202003	9
142	Clinworth	230	013050	H Portreeve	SW29212203	9
144	Deer Forks	232	013040	H Estuary	SW10232803	9
146	Wallace	243	104193	H Tonkin	NE32250202	9
146A	Wallace	243	104194	H Rokeby	SW11250302	9
147	Orkney	244	104195	H Orcadia	SE27260502	7
148A	Garry	245	-	R Garry	SW27270902	7
149	Ituna Bon Accord	246	-	H Jasmin	04261202	9
152	Last Mtn Valley	250	-	H Arlington Bch	SW25242602	9
152A	Last Mtn Valley	250	051113	P Last Mtn Reg.	SE31272302	9
153	Big Arm	251	081202	H Stalwart	SW21262502	9
154	Arm River	252	082155	T Davidson	SE21262802	9
154A	Arm River	252	-	T Davidson	SW26262902	7
157	Coteau	255	073146	H Dunblane	SW11260703	9
160	Snipe Lake	259	073152	R Snipe Lake	NW27232103	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
163	Cote	271105117	H Runnymede	SW07293001	9
164	Sliding Hills	273105113	H Mikado	NW20300202	9
164A	Sliding Hills	273105110	H Hanton	NW14280302	9
164B	Sliding Hills	273105111	H Donwell	SW27290302	9
165B	Good Lake	274102294	H Sunnyside	NE27290502	9
166	Insinger	275104178	H Insinger	SW21290802	9
167A	Foam Lake	276106124	H Tuffnel	SW33301002	9
168	Emerald	277-	H Bankend	NE24291402	9
176	Fertile Valley	285073160	H Ardath	SE32300903	9
179A	Pleasant Valley	288074119	H Anglia	SW16301603	9
184A	Buchanan	304102287	H Tadmore	SE15330402	9
184B	Buchanan	304102286	H Amsterdam	SW24320407	9
184C	Buchanan	304102290	H Tiny	SE15310502	9
186	Elfros	307106118	H Mozart	NW30321402	9
193	Montrose	315082175	H Donavon	NW31320803	9
193A	Montrose	315-	H Swanson	SE30310803	9
195	Marriott	317072115	H Valley Centre	SE06331303	9
196	Mountain View	318071008	V Herschel	NW05311703	9
196A	Mountain View	318075097	H Stranrear	NW04311803	9
197	Winslow	319-	R Winslow	NW03222303	7
198	Oakdale	320074110	V Coleville	SE06322303	9
201	Livingston	331105122	H Whitebeach	NW29353001	9
202	Clayton	333105125	H Swan Plain	NW20360102	9
203	Preeceville	334102295	H Kitchen	SW09350602	9
203A	Preeceville	334102296	H Usherville	NE03380502	9
205	Sasman	336111125	H Kuroki	SW27331102	9
205A	Sasman	335116042	R Sasman	SW11341202	9
205B	Sasman	336111128	R Sasman	NW29361002	9
213	Corman Park	344083056	R Corman Park	NE20350503	9
214	Vanscoy	345082176	H Pittin	NW12340703	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
214A	Vanscoy	345	082177	H Grandora	NW19360703	9
215	Perdue	346	072113	R Perdue	NW27351103	9
217A	Grandview	349	072123	P Regional	NW10352003	9
218	Mariposa	350	072122	H Broad Acres	NW16352103	9
222	Ponass Lake	367	111132	H St. Front	NE23391602	9
222A	Ponass Lake	367	116256	H Nora	NE29391302	9
225A	Humboldt	370	114028	H Fulda	SW18392202	9
226	Bayne	371	081201	H Dana	NW20382602	9
227	Grant	372	081203	R Grant	SE18400103	9
229	Eagle Creek	376	072109	H Sonningdale	NW28391203	9
236	Hudson Bay	394	113130	H Clemenceau	SE05430402	9
237A	Porcupine	395	113127	H Prairie River	SE06450702	9
239	Pleasantdale	398	115140	H Pleasantdale	NE03421802	9
241	Three Lakes	400	114040	H Reynaud	SE29422402	9
242	Hoodoo	401	126357	R Hoodoo	SE06432502	9
242A	Hoodoo	401	126361	V Wakaw Lake	NE22422602	9
243	Fish Creek	402	-	R Fish Creek	SW14422802	9
247	Mayfield	406	131084	H Fielding	SW07411103	9
251A	Senlac	411	137085	P Suffern Lake Reg	NW24422803	9
252	Bjorkdale	426	113113	H Crooked River	SW05451202	9
252A	Bjorkdale	426	113117	H Chelan	SW15421002	9
255	Flett's Springs	429	115134	H Pathlow	NW23432002	9
257	St. Louis	431	1204096	H Hoey	NE36442702	9
257A	St. Louis	431	124097	H Bellevue	NE19442702	9
260	Douglas	436	137100	H Albicane	NE26451103	9
262	Battle River	438	-	H Pronqua	NE28431803	9
262A	Battle River	438	-	H Delmas	SE07461803	7
262B	Battle River	438	-	H Delmas	NE06461803	9
263	Cut Knife	439	135176	H Gallivan	NW03442003	7
263A	Cut Knife	439	135192	P Attons Lk Reg	NW33452003	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
264A	Hillsdale	440	135173	H Baldwinton	NE15442303	9
266	Arborfield	456	112151	T Arborfield	SW35471202	9
267	Connaught	457	116137	R Connaught	NW34461502	7
269A	Kinistino	459	115137	V Weldon	SE31462202	9
271A	Prince Albert	461	-	P Nisbeth Forest	SW04492302	7
272	Duck Lake	463	126291	H MacDowell	SE02460103	9
274	Meeting Lake	466	135217	H Mullingar	NW23471203	9
274A	Meeting Lake	466	135225	H Mayfair	SW31461103	9
276A	Meota	468	-	H Aquadeo	SE21481703	9
276B	Meota	468	135015	H Cochin	SE36471703	9
276C	Meota	468	-	H Lanz Point	NW04471703	9
276D	Meota	468	-	H Martinsons Bch	NW33471703	9
276E	Meota	468	-	H Prince	NW11461703	7
283D	Torch River	488	112155	R Torch River	NE24531702	9
286A	Shellbrook	493	125080	H Crutwell	NW10490103	9
286B	Shellbrook	493	125079	H Holbein	NW14490203	9
286C	Shellbrook	493	125078	R Shellbrook	SW06500103	9
290A	Parkdale	498	135121	H Turtle Beach	SE22531803	9
290B	Parkdale	498	-	H Robinhood	NW06501503	9
291	Mervin	499	135127	H Livelong	SW15521903	9
292	Frenchman Butte	501	-	H Frenchman B.	SE21532503	9
293	Britannia	502	133160	H Hillmound	NE24512603	9
295E	Lakeland	521	126084	H McPhee Lake	--26562702	9
295F	Lakeland	521	-	- McPhee Lake	-	7
295G	Lakeland	521	-	H McPhail Cove	NE27532702	9
296	Greenfield	529	135138	R Greenfield	SE11531903	9
296A	Greenfield	529	135134	R Greenfield	NE27521903	9
296B	Greenfield	529	135137	R Greenfield	NW25531903	9
296C	Greenfield	529	135138	P Bright Sand Reg.	SE02542003	9
299	Meadow Lake	588	132115	H Dorintosh	NE03186134	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
299A	Meadow Lake	588	-	H Rapidview	SW02601903	9
299B	Meadow Lake	588	-	H Bluebell	NW05612003	9
301A	Buffalo Narrows	NC1	-	N Buffalo Narrows	-	7
303	Cumberland House	NC3	201519	N Cumberland House	-	9
303A	Cumberland House	NC3	-	N Cumberland House	-	7
305	La Loche	NC5	201201	N LaLoche	SW04872203	9
305A	La Loche	NC5	-	N LaLoche	SE14862203	7
309	Pinehouse Lake	NC9	201053	N Pinehouse Lake	----030475	9
309A	Pinehouse Lake	NC9	-	N Pinehouse Lake	-	7
312A	Lloydminster	C3	-	C Lloydminster	SE02502803	7
314	Melville	C5	-	C Melville	SW33220602	7
314A	Melville	C5	-	C Melville	SE28220602	7
315	Moose Jaw	C6	022162	C Moose Jaw	SW02172602	9
316A	North Battleford	C7	-	C N. Battleford	104 St.	7
316B	North Battleford	C7	-	C N. Battleford	SW16441603	7
316C	North Battleford	C7	-	C N. Battleford	SE12441703	7
318	Regina	C9	-	C Regina	-	7
318A	Regina	C9	-	C Regina	NW30171902	7
319A	Saskatoon	C10	-	C Saskatoon	LSP59S01097	7
320	Swift Current	C11	011037	C Swift Current	7N932151302	9
320A	Swift Current	C11	-	C Swift Current	OEC77SP7PC	7
322	Yorkton	C13	104173	C Yorkton	SW13260402	9
322B	Yorkton	C13	-	C Yorkton	NW13260402	7
324	Aberdeen	373	081184	V Aberdeen	SW12390303	9
326	Adanac	410	-	V Adanac	NE13402203	9
328	Alameda	33	032115	T Alameda	SW01040302	9
329	Alida	32	033026	V Alida	SW21053301	9
330	Allan	343	-	T Allan	NE03340103	7
330A	Allan	343	081178	T Allan	NE11340103	9
332	Alvena	402	124099	V Alvena	SW12410103	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
334A	Annaheim	369	-	V Annaheim	SE04392002	7
335	Antler	61	-	V Antler	NW14073001	9
337	Archerwill	397	113111	R Barrier Valley	NW13401402	9
338	Arcola	64	033138	T Arcola	NW04080402	9
341	Asquith	345	082154	T Asquith	SE04370903	9
342	Assiniboia	72	024221	T Assiniboia	SE11083002	9
343	Atwater	183	103181	V Atwater	NW04210202	9
344	Avonlea	100	021162	V Avonlea	NE22122302	9
345	Aylesbury	222	082160	V Aylesbury	SE10232702	9
346	Aylsham	487	112152	V Aylsham	SE02491302	9
348A	Balgonie	158	-	V Balgonie	NW03181702	7
349	Bangor	183	103179	V Bangor	NW15210302	9
350	Battleford	438	134005	T Battleford	2511ABWCN340	9
351	Beatty	427	115133	V Beatty	SW23452002	9
352	Beaver Flat	166	011039	V Beaver Flat	NW31191203	9
353	Beechy	226	073138	V Beechy	SW19221003	9
353A	Beechy	226	-	V Beechy	NW13221103	7
356	Benson	35	032228	V Benson	9-75L3PLPA	9
357	Bienfait	4	032263	T Bienfait	NE19020602	9
358	Biggar	347	072107	T Biggar	NE32351403	9
359	Big River	555	125089	T Big River	SE07560703	9
360	Birch Hills	460	124100	T Birch Hills	SE29462402	9
361	Bird Point	183	-	V Birds Point	SW27180302	9
361A	Bird Point	183	-	V Birds Point	SW28180302	7
362	Birsay	255	073145	V Birsay	NE31240703	9
363	Bjorkdale	426	113116	V Bjorkdale	SE21431202	9
363A	Bjorkdale	426	-	V Bjorkdale	SE15431202	7
365	Blaine Lake	434	123016	R Blaine Lake	SW31440603	9
368	Bracken	18	012171	V Bracken	SE04031603	9
370	Bredenbury	213	103155	T Bredenbury	SW03230102	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
370A	Bredenbury	213	-	T Bredenbury	NW35220102	7
371	Briercrest	130	021161	V Briercrest	SE18142402	9
373	Brock	-	074109	V Brock	SW03292003	9
374	Broderick	284	073156	V Brockrick	SW28290703	9
375	Brownlee	193	022158	V Brownlee	NE36210303	9
376	Bruno	371	081179	T Bruno	NE21382502	9
378	Buchanan	304	102289	V Buchanan	SW35310602	9
381	Burstall	232	013038	T Burstall	SE26192903	9
382	Cabri	168	013039	T Cabri	NW32181803	9
382A	Cabri	168	-	V Cabri	NE20191803	7
283	Cadillac	77	012167	V Cadillac	SW18091303	9
383A	Cadillac	77	-	V Cadillac	NW09091303	7
383B	Cadillac	77	-	V Cadillac	NW08091303	7
386	Canora	274	102281	T Canora	SW31300302	9
387	Cando	378	072110	V Cando	NE22391603	9
388	Canwood	494	125081	V Canwood	NW36500503	9
391	Carmichael	109	014023	V Carmichael	NW35122003	9
392	Carnduff	2	032058	T Carnduff	SE35023301	9
393	Carragana	395	113124	V Carrangana	NW33410802	9
394	Carrot River	486	112153	R Moose Range	SE07501102	9
395	Central Butte	194	022156	T Central Butte	NE21210403	9
395A	Central Butte	194	-	T Central Butte	SE21210403	7
396	Ceylon	39	031233	V Ceylon	NE15062002	9
398	Chaplin	164	023090	V Caplin	SW33170503	9
399	Chitek Lake	555	-	V Chitek Lake	SW10551203	9
400A	Choiceland	488	-	T Choiceland	NE17521702	7
401	Churchbridge	211	103138	T Chruchbridge	SE29223201	9
402	Clavet	343	081186	V Clavetr	NE09350303	7
403	Climax	18	012158	V Climax	SW19031803	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
405	Codette	487	-	V Codette	SE07501402	7
407	Colgate	37	031293	V Colgate	SW18051402	9
408	Colonsay	342	081187	T Colonsay	SW01352802	9
409	Conquest	285	073159	V Conquest	SW05300903	9
411	Coronach	11	024209	R Hart Butte	SW18022602	9
412	Craik	222	082171	R Craik	SE28142802	9
413	Craven	219	056121	V Craven	NW24202102	9
414	Creelman	96	033188	V Creelman	NW07101002	9
415A	Creighton	NAD	-	T Creighton	NW27663001	7
416A	Cudworth	401	-	V Cudworth	NW31402602	7
418	Cut Knife	439	135176	R Cut Knife	NW33432103	9
419	Dafoe	308	106116	V Dafoe	SW20321802	9
423A	Debden	494	125082	V Debden	SW31520603	9
424	Delisle	345	082156	T Delisle	SE24340903	9
425	Denholm	406	131086	V Denholm	SW31421403	9
426	Denzil	382	134003	V Denzil	SW04382603	9
427	Dilke	221	055177	V Dilke	S-15222402	9
428	Dinsmore	286	073164	V Dinsmore	NE25271103	9
430	Dodsland	319	072118	V Dodsland	NW34322103	9
431	Dollard	79	012156	V Dollard	SE02082003	9
432A	Domremy	431	124098	V Domremy	NW09442602	9
433	Drake	310	081188	V Drake	SW14322202	9
435	Dubuc	184	101083	V Dubuc	SE04200402	9
436	Duck Lake	463	123046	T Duck Lake	SW22450203	9
436A	Duck Lake	463	-	T Duck Lake	NW03440203	7
437	Duff	215	107098	V Duff	SW07220802	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
438	Dundurn	314	082172	R Dundurn	SW09330403	9
438A	Dundurn	314	-	T Dundurn	SW09330403	7
441	Earl Grey	219	055160	V Earl Grey	E-10232002	9
442	Eastend	49	012150	R White Valley	SW29062103	9
443	Eatonia	261	074111	T Eatonia	NW26252503	9
444	Ebenezer	244	104191	V Ebeneezer	NW25270402	9
444A	Ebenezer	244	-	V Ebeneezer	NW25270402	7
445	Edam	469	135087	V Edam	SE01491003	9
446	Edenwold	158	051116	V Edenwold	NW36191702	9
447A	Elbow	254	082163	V Elbow	SE12250503	9
448	Elfros	307	106119	V Elfros	NW13321402	9
449	Elrose	257	073147	T Elrose	SE27251503	9
450A	Elstow	343	-	V Elstow	NE03350103	9
451	Endeavour	334	107027	V Endeavour	NE09370502	9
451A	Endeavour	334	-	V Endeavour	SE09370502	7
452	Englefeld	369	116038	V Englefield	SE04371902	9
452A	Ernfold	165	023089	V Ernfold	S-23170703	9
453	Esterhazy	183	103087	T Esterhazy	SW22192702	9
455	Etters Beach	251	081190	V Etters Bch	NW20262402	9
456	Evesham	382	134015	V Evesham	SE29392703	9
458	Fairlight	91	056049	V Fairlight	SW31103101	9
459	Fenwood	215	101103	V Fenwood	SW26230802	9
460	Ferland	45	024091	V Ferland	SE07060703	9
461	Fife Lake	12	024208	V Fife Lake	NW09032802	9
462	Fleming	121	053290	T Fleming	NE03133001	9
463	Fillmore	96	-	V Fillmore	SE03111102	9
464	Findlater	190	055042	T Findlater	NE16212502	9
465	Flaxcombe	290	074112	T Flaxcombe	SW17292603	9
465A	Flaxcombe	290	-	T Flaxcombe	SW16292603	7
466	Foam Lake	276	106123	T Foam Lake	NE30301102	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
467	Forget	65	033128	V Ferget	NW14080702	9
468	Fort Qu'Appelle	187	054182	T Fort Qu'Appelle	NE11211302	9
468A	Fort Qu'Appelle	187	-	T Fort Qu'Appelle	NW32201302	7
470	Fox Valley	171	013041	R Fox Valley	SW22172603	9
471	Francis	127	052024	T Francis	SE29131402	9
472	Frobisher	4	032235	V Frobisher	NE11030402	9
473	Frontier	19	012169	V Frontier	NW18031903	9
474	Gainsborough	1	032030	R Argyle	SW03033001	9
475	Gerald	152	103190	V Gerald	NW30193101	9
478A	Glaslyn	498	135112	V Glaslyn	SW05511603	9
479	Glenavon	125	052028	R Glenavon	SE34140902	9
480	Glen Ewen	3	032098	V Glen Ewan	NE13030102	9
483	Glidden	260	074113	V Glidden	NW23262303	9
485	Goodeve	215	101100	V Goodeve	NE15240902	9
486	Goodsoil	622	132125	V Goodsoil	NE36622203	9
488	Govan	250	055047	T Govan	SW24272202	9
490	Grayson	184	101089	V Grayson	SE16200502	9
494	Hafford	435	131069	T Hafford	NE27431003	9
496	Halbrite	36	031171	V Halbrite	D4LS21061202	9
497	Handel	349	072111	V Handel	NW05361903	9
498	Hanley	283	082157	R Hanley	SE07310303	9
499	Hardy	39	031230	V Hardy	SW23062102	9
500	Harris	316	071021	V Harris	NW12321203	9
501	Hawarden	254	082164	V Hawarden	NE23280503	9
502	Hazenmore	75	024031	V Hazenmore	SE34080903	9
503	Hazlet	169	013042	V Hazlet	SE02172003	9
504	Hepburn	404	082165	V Hepburn	SW18410803	7
505A	Herbert	165	-	T Herbert	NE18170903	7
508	Hodgeville	135	023092	V Hodgeville	SW30130703	9
509	Holdfast	221	055032	V Holdfast	NW15232502	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
510	Hubbard	246101097		V Hubbard	NE05251002	9
512	Humboldt	370114029		T Humbolt	SW18372202	9
512A	Humboldt	370-		T Humbolt	NE01372302	9
513	Hyas	333105126		V Hyas	SW08340202	9
514	Imperial	251081180		T Imperial	SE27272502	9
515A	Indian Head	156-		T Indian Head	NW23181302	7
517	Invermay	305-		V Invermay	SE12330902	7
517A	Invermay	305102291		V Invermay	SE11330902	9
518	Ituna	246101094		T Ituna	SE16251102	9
518A	Ituna	246-		T Ituna	NW15251102	7
521	Kamsack	271105115		T Kamsack	NW27293201	9
522	Kannata Valley	219051202		V Kannata Valley	SE18212102	9
524	Keeler	191022159		V Keeler	NW06202802	9
525	Kelfield	349072114		V Kelfield	NE22341903	9
526	Kelliher	247054183		V Kelliher	NE33261302	9
527	Kelvington	366111124		T Kelvington	SW17371102	9
527A	Kelvington	366-		T Kelvington	SE09371102	7
528	Kenaston	282082166		R McCraney	NW19290203	9
530A	Kenendy	93 -		V Kennedy	Block 1	7
533	Khedive	69 031213		V Khedive	SW04081902	9
535A	Kincaid	75 024029		V Kincaid	SE25080803	9
536	Kindersley	290074114		T Kindersley	N-04292303	9
537	Kinistino	459115136		T Kinistino	SE28452102	9
538A	Kinley	346-		V Kinley	NW06361003	7
540A	Kisbey	64 -		V Kisbey	SE19080502	7
541	Krydor	435131115		V Krydor	SW14440803	9
542	Kyle	228073139		R Lacadena	SW01221503	9
543	LaFleche	74 024014		T LaFleche	W-35080503	9
544	Laird	404082167		R Rosthern	NE19430403	9
545	Lake Alma	831031271		V Lake Alma	SW27021702	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
546	Lake Lenore	369	114032	V Lake Lenore	SW32392102	9
547	Lampman	34	032006	T Lampman	NE16050602	9
548	Lancer	229	013043	V Lancer	NE20212103	9
549	Landis	379	134138	V Landis	SE15371803	9
550	Lang	98	052095	V Lang	SE22111802	9
551	Langenburg	181	103114	R Langenburg	SW25213101	9
552	Langham	344	083054	T Langham	SE20390703	9
553	Lanigan	310	081181	T Lanigan	SE28332202	9
554	La Ronge	NAD	201623	T LaRonge	-	9
555	Lashburn	472	133167	T Lashburn	SW17482503	9
556	Lawson	224	-	T Lawson	NW09220503	9
557A	Leader	231	013044	V Leader	SW33222603	9
558	Leask	464	123081	V Leask	SE03470503	9
561	Lemberg	185	101115	T Lemberg	NW16200902	9
562	Leoville	496	125088	V Leoville	NW35531103	9
563	Leross	247	054184	V Leross	NE02271402	9
564	Leroy	339	114037	T Leroy	NW13352002	9
565	Leslie	307	106120	V Leslie	NW25311302	9
569	Lintlaw	335	102090	V Lintlaw	NE05360902	9
570	Lipton	217	054186	V Lipton	NE34221402	9
573	Loreburn	254	082168	V Loreburn	NE23260053	9
574	Love	488	112156	V Love	SW21520152	9
575	Loverna	322	-	V Laverna	NW13310293	9
576	Lumsden	189	055132	R Lumsden	SE33190212	9
577	Lumsden Beach	189	051213	V Lumsden	SE07212102	9
578	Luseland	351	072117	T Luseland	NW10360243	9
578A	Luseland	351	-	T Luseland	SW17360243	7
579	Macklin	382	134002	T Macklin	NW02390283	9
581	Macoun	36	032245	V Macoun	SE27040102	9
582	Macrorie	285	073162	V Macrorie	SW20270083	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
584A	Maidstone	471	133173	T Maidstone	NW25470233	9
586	Makwa	561	132121	V Mawka	SE03592003	9
587	Manitou Beach	312	081194	V Manitou Beach	NE01320252	7
588	Mankota	45	024085	V Mankota	NE30050083	9
590	Mantario	261	074116	R Chesterfield	NE29260273	9
592	Marcelin	434	-	V Marcelin	SW03460603	7
592A	Marcelin	434	123094	V Marcelin	SE05450603	9
593	Marengo	292	074117	V Marengo	NE07292703	9
594	Margo	336	111126	V Margon	NE09331002	9
596	Marquis	191	022160	V Marquis	SW20192702	9
597	Marsden	442	-	V Marsden	NW34442703	9
598	Marshall	472	133162	V Marshall	NE31482603	9
599B	Martensville	344	-	T Martensville	SW21380503	7
600A	Maryfield	91	-	V Maryfield	SW17103001	7
601	Maymont	406	131099	V Maymont	NE30411203	9
602	Mazenod	103	024170	V Mazenod	SE04110203	9
603	McLean	157	052108	V McLean	E-13181602	9
605	Meacham	342	081195	V Meacham	NW11362702	9
606	Meadow Lake	588	132114	T Meadow Lake	S-35591603	9
606A	Meadow Lake	588	-	T Meadow Lake	NW23591703	7
606B	Meadow Lake	588	-	T Meadow Lake	SW25591703	7
609	Mendham	231	013048	V Mendham	NW10212703	9
611	Mervin	499	135075	R Mervin	SE29502003	9
612	Metinota	468	-	V Metinota	PL1-5-----	7
614	Middle Lake	400	114036	V Middle Lake	NW31402302	9
615	Midale	36	031202	T Midale	NW22051102	9
616	Milden	286	073163	V Milden	SE07291103	9
617	Milestone	99	052113	T Milestone	NE10121902	9
618	Minton	9	031249	V Minton	SE02032002	9
619	Mistatim	426	113118	V Mistatim	SW15451002	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
622	Moosomin	121	053275	R Moosomin	NE29133101	9
623	Morse	165	023094	T Morse	SW10170803	9
624	Mortlach	163	-	V Mortlach	NW23170103	7
624A	Mortlach	163	-	V Mortlach	NW24170103	9
625	Mossbank	102	021165	T Mossbank	NW32112902	9
625A	Mossbank	102	-	T Mossbank	NW30113002	7
628	Neilburg	440	-	V Neilburg	NE31442503	9
630	Neudorf	185	101112	V Neudorf	NE11200802	9
631	Neville	106	011029	V Neville	NW32111203	9
632	Nipawin	487	-	T Nipawin	NW09511402	7
632B	Nipawin	487	112157	T Nipawin	SW16145002	9
634	Norquay	333	105123	T Norquay	SE06340102	9
635	North Portal	4	032256	V North Portal	NW01010502	9
637	Ogema	70	021163	T Ogema	NE22072202	9
638	Osage	96	033150	V Osage	NE32111202	9
639	Osler	344	083055	V Osler	NW28390403	9
639A	Osler	344	-	V Osler	BL11,L5-BL2	7
641	Oxbow	3	032105	T Oxbow	SE13030202	9
642	Paddockwood	520	-	R Paddockwood	SW29522402	9
643	Palmer	103	024167	V Palmer	SW33100303	9
644	Pangman	69	031216	V Pangman	SE21082002	9
645	Paradise Hill	501	133205	V Paradise Hill	SW11532403	9
646	Parkside	464	123069	V Parkside	NW11480503	9
647	Paynton	470	137094	V Paynton	SW35462103	9
648	Pelly	301	-	V Pelly	SW33343201	7
648A	Pelly	301	-	V Pelly	SW03343201	9
654	Pierceland	622	132126	V Pierceland	NW06622503	9
655	Pilger	400	114035	V Pilger	SE08402302	9
656	Pilot Butte	158	051119	T Pilot Butte	SW04181802	9
658	Plenty	319	072119	V Plenty	SW33321903	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
659	Plunkett	341	081196	V Plunkett	NE11342502	9
660A	Ponteix	76	-	T Ponteix	SW18091103	7
661	Porcupine Plaine	395	113123	T Porcupine Plain	SW08420902	9
662	Preeceville	335	102294	T Preeceville	SE03350502	9
662A	Preeceville	335	-	T Preeceville	NE27340502	7
666	Punnichy	278	054188	V Punnichy	NE02281702	9
667	Qu'Appelle	157	052166	V Qu'Appelel	SE28131402	9
668	Quill Lake	338	111130	V Quill Lake	E-07361602	9
669	Quinton	278	054189	V Quinton	SW13281802	9
670	Rabbit Lake	467	-	V Rabbit Lake	NW13481303	9
674	Raymore	278	054190	T Raymore	NE19281802	9
675	Redvers	61	033094	T Redvers	SE13073201	9
676	Regina Beach	189	055185	T Regina Beach	NE11212202	9
677	Rhein	243	104189	V Rhein	SW23270202	9
678	Richard	436	-	V Richard	SW17431203	7
678A	Richard	436	-	V Richard	SE17431203	9
679	Richmound	142	013052	V Richmond	SW23172803	9
680	Ridgedale	457	112158	V Ridgedale	SE17471502	9
682	Robsart	51	012170	V Robsart	SW10952503	9
683	Rocanville	151	053277	T Rocanville	SW22163101	9
683A	Rocanville	151	-	T Rocanville	NE21163101	7
685	Rockglen	12	024149	T Rockglen	SW02033002	9
686	Rockhaven	439	135189	V Rockhaven	NE05432003	9
688	Rose Valley	367	111131	T Rose Valley	SW29381302	9
689	Rosthern	403	123025	R Rosthern	NE02430303	9
690	Rouleau	130	021160	T Redburn	SE23142202	9
691	Ruddell	406	-	V Ruddell	NE06421303	9
693	Ruthilda	349	072120	V Ruthilda	SW11341803	9
695	Salvador	381	-	V Salvador	SE09372503	9
699	Scott	380	134001	T Scott	NW16392003	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
700	Sedley	127	052180	V Sedley	SW21141502	9
702	Senlac	411	137056	V Senlac	NW32402603	9
704	Shamrock	134	021157	V Shamrock	SE16140503	9
705	Shaunavon	78	012168	T Shaunavon	NE07081803	9
708A	Shell Lake	496	-	V Shell Lake	SE11500803	7
710	Silton	219	-	V Silton	NW30212102	7
711	Simpson	281	-	V Simpson	NE03292502	7
713	Smeaton	488	-	V Smeaton	E-1S210502	7
713A	Smeaton	488	112159	V Smeaton	SW31521902	9
714	Smiley	321	074121	V Smiley	SW12312503	9
715	Southey	218	054191	T Southey	SW07231802	9
717	Spalding	368	114034	V Spalding	SE03391902	9
717A	Spalding	368	-	V Spalding	NW11391802	7
718	Speers	436	131109	V Speers	SW16431103	9
719	Spiritwood	496	125084	T Spiritwood	NW36501103	9
719A	Spiritwood	496	-	T Spiritwood	----4-6LB3	7
720	Springside	244	104155	V Springside	SE24270602	9
721	Spring Valley	101	021168	V Spring Valley	NE01112502	9
722A	Springwater	347	072112	V Springwater	SW04351703	9
723	Spruce Lake	529	135052	V Spruce Lake	NE06532103	7
724	Spy Hill	152	103202	R Spy Hill	SE12193101	9
725	Star City	428	115146	T Star City	NE11451702	9
726	St. Benedict	400	114038	V St. Benedict	NW28412402	9
727	St. Brieux	399	115138	V St. Brieux	NE19422002	9
727A	St. Brieux	399	-	V St. Brieux	SW24422102	7
728	Stenen	333	105127	V Stenenn	NE08340302	9
730	St. Gregor	369	114039	V St. Gregor	NE08372002	9
730A	St. Gregor	369	-	V St. Gregor	BlkHP1BF611	7
732A	Stockholm	183	-	V Stockholm	NW36190302	7
733	Stornoway	243	104192	V Stornoway	SE35260102	9
733A	Stonoway	243	-	V Stornoway	NE35260102	7
734	Storthoaks	31	034032	V Storthoaks	NE16053101	9
735	Stoughton	65	033114	T Stoughton	SE34080802	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
736	Strasbourg	220	055078	T Strasbourg	NE25242102	9
739	St. Victor	42	024205	V St. Victor	SE05062902	9
740	St. Walburg	501	133206	T St. Walburg	NW05542203	9
741	Success	168	013056	V Success	SE25171603	9
744	Theodore	275	104176	V Theodore	SW15280702	9
747	Tobin Lake	486	112163	V Tobin Lake	SW29521102	9
749A	Tompkins	139	014029	V Tompkins	NE03132103	9
750	Torquay	6	031024	V Torquay	NW24021202	9
753	Tugaske	223	022155	V Tugaske	SW30220203	9
756	Unity	410	134140	T Unity	NW23401303	9
757	Uranium City	NAD	201199	N Uranium City	-	9
758	Val Marie	17	-	V Val Marie	SE30041303	7
758A	Val Marie	17	012149	V Val Marie	NW33031303	9
759	Valparais	428	115147	V Valpraiso	NE01451602	9
760	Vanguard	106	011031	V Vanguard	SW14111003	9
761	Vanscoy	345	082170	V Vanscoy	NE17350703	9
763	Veregin	273	105114	V Veregin	-	9
764	Vibank	127	052202	V Vibank	SE02161502	9
765	Viceroy	71	024227	V Viceroy	NE12062602	9
766	Viscount	341	081198	V Viscount	SW29342602	9
767	Vonda	372	081182	T Vonda	NE05390103	9
769	Wakaw	401	124094	T Wakaw Lake	SW36422702	9
771	Waldeck	166	011036	V Waldeck	NW22161203	9
773	Waldron	184	101109	V Waldron	NE29210402	9
774	Wapella	122	053279	T Wapella	SW09153301	9
775	Warman	344	083053	T Warman	NW34380503	9
775A	Warman	344	-	T Warman	NW36380503	7
776	Waseca	471	133169	V Waseca	NE05482403	9
777	Watrous	312	081183	T Watrous	NE27312502	9
778	Watson	338	111134	T Watson	SW32361802	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
779	Wawota	93	053285	T Wawota	NE12110102	9
779A	Wawota	93	-	T Wawota	SW13110102	7
780	Webb	138	014030	V Webb	SE24141703	9
781	Weekes	395	113126	V Weekes	NE25410702	9
782	Weirdale	490	126370	V Weirdale	SE12522302	9
784	Welwyn	121	053287	V Welyn	SW02163001	9
785	West Bend	276	106125	V West Bend	SW08291202	9
787	White Fox	488	112161	V White Fox	SW01531502	9
788	Whitewood	153	053281	T Whitewood	SW07160202	9
793	Windthorst	125	052223	V Windthorst	SE24130702	9
794	Wiseton	286	075022	V Wiseton	SW18271203	9
795	Wishart	277	106121	V Wishart	SW29291402	9
796	Wolseley	155	052237	T Wolseley	SW11171002	9
797	Wood Mountain	43	024107	V Wood Mountain	SW08050303	9
798	Woodrow	74	-	V Woodrow	SW35060303	7
800	Wynyard	308	106117	T Wynyard	--9340PZBA	9
802	Yellow Creek	430	124102	V Yellow Creek	NE35432302	9
802A	Yellow Creek	430	-	V Yellow Creek	NE34432302	7
806	Zelma	312	081200	V Zelma	NW15332802	9
811A	Hudson Bay Min & Sm	-	-	- Creighton	NE12673001	9
812	Agri. Canada R.S.	429	-	R Melfort	N-30441802	9
813	Experimental Farm	-	-	R Indian Head	NW19181302	9
817	Agri. Canada R.S.	-	-	R Swift Current	NE16151303	9
817A	Agri. Canada R.S.	-	-	R Swift Current	--29151303	9
818	Dept of Ntnl Def.	-	-	D CFB Moose Jaw	SW08162602	9
818A	Dept of Ntnl Def.	-	-	D CFB Dundurn	NE24330503	9
818B	Dept of Ntnl Def.	-	-	D CFS Dana	NW14382202	9
818C	Dept of Ntnl Def.	-	-	D CFS Alsask	NE03282903	9
818D	Dept of Ntnl Def.	-	-	D CFS Whitespruce	-	9
818E	Dept of Ntnl Def.	-	-	R Orkney	SE22260502	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
820	Amak Chemicals Ltd	-	-	R Corman Park	NW23370503	9
825	Cen. Can. Potash	-	-	R Colonsay	SE21342702	9
826	Cons. Coop Refine.	-	-	C Regina	SW05181902	9
826A	Cons. Coop Refine.	-	-	C Regina	SW04181902	9
826B	Cons. Coop Refine.	-	-	C Regina	SW04181902	9
830	I.P.S.C.O.	-	-	R Sherwood	SE13182002	9
837	Saskatchewan Power	-	-	- Boundary Dam	SW05020802	9
837A	Saskatchewan Power	-	-	- Boundary Dam	NE31010802	7
838	Saskatchewan Power	-	-	- -	NE24012702	9
839	Saskatchewan Power	-	-	R Estevan	SE12020802	7
839A	Saskatchewan Power	-	-	R Estevan	SW12020802	9
839B	Saskatchewan Power	-	-	R Estevan	SW07020702	7
840	Saskatchewan Power	-	-	R Poplar River	SE06022702	9
841	Saskatchewan Power	-	-	R Coleville Sta	NW17312303	9
842	Saskatchewan Power	-	-	- Regina Cavern	NE27162002	9
843	Saskatchewan Power	-	-	- Success	SE17171603	9
844	Saskatchewan Power	-	-	- Hatton	SE16132903	9
848	Sask Forest Prod.	-	-	R Buckland	SE29492502	9
863	Sask. Tour & Renew	-	082180	P Blackstrap	NE11320403	9
863A	Sask. Tour & Renew	-	-	P Borden Bridge	NW19390803	9
863B	Sask. Tour & Renew	-	-	P Danielson	NW29260603	9
863C	Sask. Tour & Renew	-	082179	P Pike Lake	N-17340603	9
863D	Sask. Tour & Renew	-	-	P Lanigan	SW29332202	9
864	Sask. Tour & Renew	-	-	- Ministikwan	SW18582403	9
864A	Sask. Tour & Renew	-	-	- Fishing Lake	NW09562403	9
864F	Sask. Tour & Renew	-	-	P Mallard Lake	NE25641803	9
864G	Sask. Tour & Renew	-	135047	P Battlefords	-	9
864I	Sask. Tour & Renew	-	-	P Lac Euclaire	SE27561203	9
864J	Sask. Tour & Renew	-	-	P Pierce Lake	NW27632503	9
864M	Sask. Tour & Renew	-	132118	P Flotten Lake	SW32641703	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
864O	Sask. Tour & Renew	-	-	P Little Fishing	NW31562403	9
864P	Sask. Tour & Renew	-	132120	P Waterhen Lake	-	9
864Q	Sask. Tour & Renew	-	-	H Tawaw	-	9
865A	Sask. Tour & Renew	-	051115	P Echo Valley	SE16211402	9
865B	Sask. Tour & Renew	-	051111	P McLean	SE11181602	9
865C	Sask. Tour & Renew	-	022295	P Besant	NW29172902	9
865D	Sask. Tour & Renew	-	022161	P Buffalo Pound	NW08192502	9
865E	Sask. Tour & Renew	-	051110	P Rowans Ravine	NW33242302	9
865F	Sask. Tour & Renew	-	-	P Rowans Ravine	NW28242302	7
866	Sask. Tour & Renew	-	113120	P Greenwater Lake	NE32401102	9
866A	Sask. Tour & Renew	-	-	P McBride Lake	NE20400302	9
867A	Sask. Tour & Renew	-	014221	P Cypress Lake	NW06082603	9
867B	Sask. Tour & Renew	-	014024	P Cypress Hills	NW24082703	9
868B	Sask. Tour & Renew	-	125091	P Nesslin Lake	NW13570603	9
868C	Sask. Tour & Renew	-	-	P Heritage Lake	NE12572202	9
868D	Sask. Tour & Renew	-	-	P Minowukaw	SE30552102	9
868F	Sask. Tour & Renew	-	-	P Fascination Pt.	NE01531302	9
868I	Sask. Tour & Renew	-	116035	P Squaw Rapids	NE22541002	9
868J	Sask. Tour & Renew	-	-	P Iroquois Lake	SE24480803	9
869	Sask. Tour & Renew	-	-	P Good Spirit	SE09290502	9
869B	Sask. Tour & Renew	-	-	P Battersby	SE18240902	9
869D	Sask. Tour & Renew	-	-	P Roche Percee	SE33010602	9
869E	Sask. Tour & Renew	-	-	P Boundary Dam	NW27010802	9
869F	Sask. Tour & Renew	-	-	P Duck Mtn.	NE26303001	9
869G	Sask. Tour & Renew	-	-	P Duck Mtn.	NW26303001	9
870	Arlinoton Branch	-	051112	R Last Mtn Valley	SW25262402	9
872	Big Beaver	10	-	B Big Beaver	SW04012402	9
873	Climax	18	-	B Climax	SW05011803	9
875	Estevan Highway	05	-	B Estevan Hwy	SE03010802	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
883	Cluff Lake	- 201200		- Cluff Lake	-	9
884	Cole Bay	- 201667		- Cole Bay	-	9
886	Deschambault	- 201504		- Deschambault	-	9
888A	Dore Lake	- -		- Dore Lake	-	7
888B	Dore Lake	- -		- Dore Lake	-	7
890	East Sturgeon Weir	- -		- E. Sturgeon Weir	-	9
894	Jan Lake	- 201492		- Jan Lake	-	9
895	Keeley Lake	- 201678		- Keeley Lake	-	9
897	Kinoosao	- 201631		- Kinoosao	-	9
900	Little Bear Lake	- -		- Little Bear Lk	-	9
901	Lower Fishing Lk	- -		- Lower Fishing Lk	-	9
903	Michel Village	- 201208		- Michel Vill	-	9
906A	Patuanak	- -		- Patuanak	-	7
907	Pelican Narrows	- 210479		- Pelican Narrows	-	9
908	Pulp Camp 8	- -		- Pulp Camp 8	-	9
908A	Pulp Camp 16	- -		- Wapawekka	-	9
908B	Pulp Camp 6	- -		- Pulp Camp 6	-	9
908C	Pulp Camp 15	- -		- Pulp Camp 15	-	9
910A	Ramsay Bay	- -		- Ramsay Bay	-	7
911	St. Georges Hill	- 201207		- St. Georges Hill	-	9
912	Southend	- 201635		- Southend	-	9
912A	Southend	- -		- Southend	-	7
914	Stony Rapids	- 201197		- Stony Rapids	-	9
916	Timber Bay	- -		- Timber Bay	-	9
917	Tumor Lake	- 201204		- Tumor Lake	-	9
919	Wadin Bay	- -		- Wadin Bay	-	9
921	Wollaston Lake	- 201088		- Wollaston Lake	-	9
921A	Wollaston Lake	- -		- Wollason Lake	-	9
922	Aphetow	- 201628		- Aphetow #1	-	9
922B	Apetow	- -		- Aphetow #3	-	9

CATEGORY '2'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
927A	Little Pine	- -		I Little Pine	116	9
927B	Flying Dust	- -		I Flying Dust	105	9
927D	Turnor Lake	- -		I Turnor Lake	-	9
927E	La Loche	- -		I Big Chief	La Loche	9
927G	Red Pheasant	- -		I Red Pheasant	108	9
927H	Mosquito	- -		I Mosquito	109	9
927I	Poundmaker	- -		I Poundmaker	114	9
927L	Makwa Lake	- -		I Makwa Lake	Loon Lk 129	9
927M	Makwa	- -		I Makwa	Loon Lk 129	9
927O	Buffalo River	- -		I Buffalo River	193	9
927P	Beaval	- -		I Beaval	La Plonge 192	9
927Q	Sweet Grass	- -		I Sweet Grass	113	9
927R	Canoe Narrows	- -		I Canoe Narrows	Can. Lk 165	9
927S	Seekaskotch	- -		I Seekaskootch	Onion Lk 119	9
928A	Sakimay	- -		I Sakimay	NE17180602	9
928B	Sakimay	- -		I Grenfell Beach	NW06190602	9
928D	White Bear	- -		I White Bear	NW19090202	9
928E	Cote	- -		I Cote #271	NW33303201	9
928F	Keesekoose	- -		I Keesekoose	SE15320101	9
928G	Poormen	- -		I Poorman	NE07291702	9
928I	Muskowekwan	- -		I Muskowekwan	NW14271402	9
928K	Peepeekisis	- -		I Peepeekisis	SW07211002	9
928L	Piapot	- -		I Piapot	NE09201802	9
928M	Standing Buffalo	- -		I Standing Buffalo	SE04221402	9
934	PA Nat'l Park	- -		P Bear Trap Pit	NW32560103	7
934B	PA Nat'l Park	- -		P Overflow	NW03570103	7

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
04	Coalfields	04	-	H Hirsch	NW34020502	9
05	Estevan	05	034052	H Hitchcock	NW23030902	9
08	Lake Alma	08	031283	H Beaubier	SW22021602	9
09A	Surprise Valley	09	-	H Sybbotts	NE14011902	9
10	Happy Valley	10	024212	H Big Beaver	NW04022402	9
13A	Val Marie	17	012303	H Orkney	NE22021503	9
15	Frontier	19	012157	R Frontier	SW10032203	9
28	Waverley	44	024104	H Fir Mountain	NE10050403	7
33	Reno	51	012160	H Govenlock	SW22032903	9
33A	Reno	51	012172	H Senate	NW03042803	9
33B	Reno	51	012161	H Vidora	SW26042603	9
39A	Weyburn	67	-	H Talmage	NW33091302	7
40	Brokenshell	68	031207	H Trossachs	NE10081702	9
44	Lake of the Rivers	72	023219	H Willows	SW36072902	9
45A	Stonehenge	73	-	H Manstone	NE23060103	7
51	Arlington	79	012306	H Southfork	SE25072103	9
56	Golden West	95	033076	H Corning	NW31110702	9
56A	Golden West	95	033074	H Handsworth	SW30100702	9
77A	Chester	125	052163	H Peebles	NE13140802	9
80	Lajord	128	056051	R Lajord	SE09151602	9
80B	Lajord	128	052044	H Gray	NW27141802	9
80C	Lajord	128	052090	H Kronau	NE22151702	9
81	Bratt's Lake	129	052215	V Wilcox	SW19132002	9
82	Redburn	130	-	H Hearne	NW19132302	9
83	Baildon	131	021249	R Baildon	NW26152602	9

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
85	Rodgers			H Courval	NW11140203	9
86	Shamrock			H Kelstern	NE07140603	7
88	Coulee			H McMahon	SE10131203	9
88A	Coulee			H Neidpath	NE02151003	9
90	Webb			T Gull Lake	NW19131803	9
97	Elcapo			R Elcapo	SE33160602	9
98	Wolseley			H Summerberry	NE07170802	9
102	Sherwood			R Sherwood	SW18172002	7
102A	Sherwood			H Grand Coulee	NW15172102	7
103	Pense			R Pense	SE11182302	9
103A	Pense			R Pense	NE04182402	7
105A	Caron			H Caronport	NE29172802	9
108	Morse			R Morse	NE10190803	9
109A	Excelsior			R Excelsior	SW01171103	7
109C	Excelsior			H Main Center	NE01191103	9
110	Sask. Landing			H Leinan	SW09181303	7
113	Fox Valley			H Linacre	SE34271703	7
114	Langenburg			H Marchwell	SE16213001	7
115	Fertile Belt			H Zeneta	SE22200102	9
118A	Abernethy			H Lorlie	NE26211002	9
118B	Abernethy			R Abernethy	SE26191202	9
127	Cana			H Otthon	SW27240502	9
127A	Cana			H Otthon	SE26240502	7
132	Longlaketon			H Gibbs	SE29222102	9
137	Maple Bush			H Grainland	NE26230503	7
140	Lacadena			H White Bear	NW19221603	9
140A	Lacadena			H White Bear	SE19221603	7
140B	Lacadena			H Tuberose	NE26221603	9
140D	Lacadena			H Lacadena	SE18231703	7
140E	Lacadena			H Tyner	NE31231803	9

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
140F	Lacadena	228	-	H Sanctuary	SE31231503	7
140G	Lacadena	228	-	H Sanctuary	SW31231503	7
143	Happyland	231	013045	H Leibenthal	SE04202603	9
148	Garry	245	104196	R Garry	W 27270902	9
156	Loreburn	254	082174	R Loreburn	NW01270603	9
160A	Snipe Lake	259	073153	R Snipe Lake	SE22231903	9
160C	Snipe Lake	259	073155	R Snipe Lake	NW05261903	9
160D	Snipe Lake	259	073154	R Snipe Lake	NE13272103	9
165	Good Lake	274	102282	H Gorlitz	SE35280402	9
179	Pleasant Valley	288	074118	H Fiske	NW13291803	9
200	Antelope Park	322	-	H Hossier	SE05312703	9
202A	Clayton	333	105124	H Danbury	SE01360202	9
204	Hazel Dell	335	102298	H Okla	NW17350802	9
204A	Hazel Dell	335	102297	H Hazel Dell	SW08350702	9
206	Lakeview	337	111121	H Clair	SE21351502	9
206A	Lakeview	337	-	H Pasawegin	NW08351402	9
206B	Lakeview	337	111123	H Hendon	SW17361302	9
209	Wolverine	340	114031	H Burr	NW29352202	9
215A	Perdue	346	-	H Leney	SW29351103	7
215B	Perdue	346	-	H Keppel	NW29351203	7
221	Kelvington	366	111129	H Pergord	NW09391102	9
226A	Bayne	371	081301	H Peterson	SW29372602	9
231	Rosemount	378	075019	H Traymor	SE07381703	9
234	Grass Lake	381	134006	H Reward	SE04392403	9
236A	Hudson Bay	394	113129	H Reserve	-	9
237	Porcupine	395	113125	H Somme	NW32410702	9
238	Barrier Valley	397	113112	H McKague	NW11421402	9
244	Rosthern	403	126359	H Carlton	SE27440403	9
251	Senlac	411	-	H Rutland	NE09412503	9
252B	Bjorkdale	426	-	H Crooked River	SE06451202	7

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
270	Birch Hills	460	-	H Brancepeth	NE27462302	7
270A	Birch Hills	460	-	H Fenton	SE05472502	7
270B	Birch Hills	460	-	H Hagen	SW10462502	7
272A	Duck Lake	463	-	H MacDowell	NW13460103	7
276	Meota	468	-	H Jackfish Lake	NW18481703	9
278	Paynton	470	-	H Bresaylor	NE01462003	9
283	Torch River	488	112160	H Snowden	SE23521902	9
283B	Torch River	488	116009	H Garrick	NW17521602	9
289	Medstead	497	135036	R Medstead	SE29491403	9
289A	Medstead	497	135034	R Medstead	SE03511303	9
290	Parkdale	498	135116	H Fairholme	NW24511803	9
294	Paddockwood	520	-	H Foxford	NW13522202	9
295A	Lakeland	521	126081	R Lakeland	NW02532702	9
295H	Lakeland	521	-	H Murray Point	SW28522702	7
301	Buffalo Narrows	NC1	201202	N Buffalo Narrows	-	9
306	Beauval	NC6	-	N Beauval	-	9
313A	Melfort	C4	-	C Melfort	NE11451902	7
325	Abernethy	186	-	V Abernethy	NW31201102	7
327	Admiral	77	012165	V Admiral	NW04091503	9
331	Alsask	292	074108	V Alsask	SW11282903	9
333	Aneroid	76	012166	V Aneroid	NE03100903	9
334	Annaheim	369	114030	V Annaheim	NE26382002	9
334B	Annaheim	369	-	V Annaheim	SW15392002	7
339	Arelee	376	072108	V Arelee	SW10381103	9
340	Arran	331	105121	V Arran	NE01343101	9
347	Balcarres	186	-	T Balcarres	SW25211202	7
347A	Balcarres	186	054179	T Balcarres	NW12211202	9
364	Bladworth	282	082161	V Bladworth	SW12280203	9
367	Bounty	285	073161	V Bounty	SE31291003	9
369	Bradwell	343	081185	V Bradwell	SE16340203	9

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
372	Broadview	154	053081	V Broadview	SW36160502	9
380	Bulyea	220	055059	V Bulyea	NE21232102	9
384	Calder	241	105119	V Calder	SW22253101	9
384A	Calder	241	-	V Calder	SE15253101	7
387A	Cando	378	-	V Cando	NW22391603	7
389	Carievale	1	032057	V Carievale	SW05033101	9
390	Carlyle	63	033050	T Carlyle	SW20080202	9
390A	Carlyle	63	-	T Carlyle	NE13080202	7
397	Chamberlain	221	055172	V Chamberlain	SE18222602	9
401A	Churchbridge	211	-	T Churchbridge	SW17223201	7
404	Coderre	133	-	V Coderre	SE31130303	7
408A	Colonsay	342	-	T Colonsay	NE01352802	7
411A	Coronach	11	-	T Coronach	SW11022702	7
415	Creighton	NAD	201439	T Creighton	NW02673001	9
417	Cupar	218	054180	T Cupar	SE29231602	9
417A	Cupar	218	-	T Cupar	NE08231602	7
420A	Dalmeny	344	-	V Dalmeny	NE10390603	7
423	Debden	494	-	V Debden	NW30520603	7
428A	Dinsmore	286	-	V Dinsmore	SE26271103	7
429	Disley	189	055145	V Disley	SE30192202	9
434	Drinkwater	130	021159	V Drinkwater	NW29152302	9
439	Duval	250	055151	V Duval	NW26252202	9
440	Dysart	217	054181	V Dysart	SW10231502	9
443A	Eatonia	261	-	T Eatonia	SE22262503	7
447	Elbow	254	-	V Elbow	NW11250503	7
448A	Elfros	307	-	V Elfros	NW13321402	7
450	Elstow	343	081189	R Blucher	NW09350103	9
454	Eston	259	-	T Eston	NE29252003	7
454A	Eston	259	073150	T Eston	SW22252003	9
457	Eyebrow	193	022157	V Eyebrow	E-23210203	9

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
457A	Eyebrow	193	-	V Eyebrow	SW17210103	7
459A	Fenwood	211	-	V Fenwood	NW27230802	7
473A	Frontier	19	-	V Frontier	NE12032003	7
477	Gladmar	9	031262	V Gladmar	SE33021902	9
481	Glenside	284	073157	V Glenside	SW05290603	9
484	Golden Prairie	141	014025	V Golden Prairie	NE33142703	9
489	Grandview	221	-	V Grandview Beach	NE15222302	9
491	Grenfell	154	053082	T Grenfell	SW04170702	9
492	Guernsey	310	081191	V Guernsey	SE34332302	9
495A	Hague	403	126289	V Hague	SW29400303	9
507	Heward	65	033111	R Tecumseh	NE22090902	9
512B	Humboldt	370	-	T Humbolt	SW18372202	7
515	Indian Head	156	052049	R Indian Head	S-29181302	9
519	Jansen	309	081192	V Jansen	NW31321902	9
520	Jedburgh	245	104184	V Jedburgh	NE02270802	9
520A	Jedburgh	245	-	V Jedburgh	SW06270702	7
523	Katepwa Beach	186	056207	V Katepwa Beach	SE09201202	9
529	Kendal	126	052084	V Kendal	SW26151202	9
534	Killaly	184	101079	V Killaly	SW32200602	9
535	Kincaid	75	-	V Kincaid	SW22080803	7
539	Kipling	124	053083	T Kipling	SE21130502	9
540	Kisbey	64	033129	V Kisbey	NE25080602	9
547A	Lampman	34	-	T Lampman	NE14050602	7
557	Leader	231	-	V Leader	NE29222603	7
561A	Lemberg	185	-	T Lemberg	NW21200902	7
566	Lestock	247	054185	V Lestock	NE06271402	9
571	Lockwood	310	081193	V Lockwood	SW11312202	9
572	Loon Lake	561	132122	V Loon Lake	SW30580213	9
580	MacNutt	211	103207	V MacNutt	NW23240301	9
580A	MacNutt	211	-	V MacNutt	SW22240301	7

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
584	Maidstone	471	-	T Maidstone	SW34470233	7
585	Major	321	072305	V Major	SE34330263	9
589	Manor	63	033212	V Manor	SE33070012	9
589A	Manor	63	-	V Manor	SW21070012	7
595	Markinch	218	054187	V Markinch	SE07231702	9
598A	Marshall	472	-	V Marshall	NE06492603	7
599A	Martensville	344	-	T Martensville	SE21380503	7
600	Maryfield	91	053283	V Maryfield	NE17103001	9
604	McTaggart	63	-	V McTaggart	NE17091502	9
608	Medstead	497	135211	V Medstead	SE15501503	9
610	Meota	468	135003	V Meota	SE18471703	9
626	Muenster	369	114033	V Muenster	NE13372202	9
630A	Neudorf	185	-	V Neudorf	SW13200802	7
633	Nokomis	280	055113	T Nokomis	SW26292202	9
640A	Outlook	294	-	T Outlook	SW10290803	7
646A	Parkside	464	-	V Parkside	SW28480403	7
647A	Paynton	470	-	V Paynton	SW35462103	7
649	Pennant	168	013049	V Pennant	SE23181703	9
652	Perdue	346	-	V Perdue	SW08361103	7
654A	Pierceland	622	-	V Pierceland	SW11622603	7
654B	Pierceland	622	-	V Pierceland	NE11622603	7
657	Plato	259	073151	V Plato	NW26251803	9
663	Prelate	231	013051	V Prelate	NE08222503	9
664	Primate	382	134004	V Primate	SW17382703	9
665	Prud'Homme	371	081197	V Prud'Homme	NE01392802	9
673	Rama	305	102292	V Rama	NW24320802	9
684	Roche Percee	4	034050	V Roche Percee	NE30010602	9
686A	Rockhaven	439	-	V Rockhaven	SE06432003	7
687	Rosetown	287	074120	T Rosetown	NE01301503	9
689A	Rosthern	403	-	V Rosthern	NW01430303	7

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
698	Sceptre	230	013053	V Sceptre	NW10222403	9
701	Semans	279	055096	V Semans	NW15282002	9
703	Shackleton	229	013054	V Shackleton	NW08201903	9
712	Sintaluta	19	052191	T Sintaluta	NW27171102	9
710	Silton	219	-	V Silton	NW30212102	7
716	Sovereign	287	074122	V Sovereign	NW26291303	9
722	Springwater	347	-	V Springwater	SW04351703	7
724A	Spy Hill	152	-	V Spy Hill	SE02193101	7
729	Stewart Valley	167	013055	V Stewart Valley	SW06191303	9
729A	Stewart Valley	167	-	V Stewart Valley	NE11191403	7
732	Stockholm	183	103175	V Stockholm	SW36190302	9
737	Strongfield	254	082169	V Strongfield	NW25270503	9
738	Sturgis	334	102293	T Sturgis	SE29340402	9
742	Tantallon	152	103196	V Tantallon	SW16183201	9
746A	Tisdale	427	-	T Tisdale	Parc. LLR6	7
748	Togo	271	105116	V Togo	SE01283001	9
751	Tramping Lake	350	072121	V Tramping Lake	SW33362103	9
752	Tribune	7	031016	V Tribune	NW27031402	9
754	Turtleford	499	-	V Turtleford	SE11512103	9
754A	Turtleford	499	-	V Turtleford	NE12512103	7
754B	Turtleford	499	-	V Turtleford	NE12512103	7
761A	Vanscoy	345	-	V Vanscoy	SW17350703	7
762	Vawn	469	135094	V Vawn	SW02481903	9
769A	Wakaw	401	-	T Wakaw Lake	NE25422702	7
781A	Weekes	395	-	V Weekes	SE36410702	7

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
791	Willowbrook	244	104186	V Willowbrook	SE32250602	9
799	Wroxton	241	105118	V Wroxton	NW03263201	9
800A	Wynyard	308	-	T Wynyard	NW26321602	7
801	Yarbo	181	103189	V Yarbo	SE12203301	9
803	Yellow Grass	38	052263	T Yellow Grass	NE01101702	9
804	Young	312	081199	V Young	NE23322702	9
804A	Young	312	-	V Young	SE27322702	7
805	Zealandia	287	071012	T Zealandia	SW02311303	9
807A	Zenon Park	456	112162	V Zenon Park	SE19471202	9
808	Gravelbourg	104	024044	T Gravelbourg	NE01113503	9
809	Bethune	190	055065	V Bethune	SW36202402	9
810	Lucky Lake	225	073137	V Lucky Lake	SE25230903	9
810A	Lucky Lake	225	-	V Lucky Lake	SE26230903	7
811	Hudson Bay Min & Sm	-	201417	- Westarm Mine	SE25653001	9
816	Agri. Canada R.S.	-	-	R Sherwood	NE04171902	9
836	Saskatchewan Power	-	-	- Squaw Rapids	-	9
864E	Sask. Tour & Renew	-	132116	P Greig Lake	NW03631903	9
865	Sask. Tour & Renew	-	-	P Candie	SW32182002	9
866B	Sask. Tour & Renew	-	-	P Woody Lake	NW22403001	9
866C	Sask. Tour & Renew	-	-	- Woody Lake	SE27403001	9
868E	Sask. Tour & Renew	-	-	P Waditi	NE30491702	9
869A	Sask. Tour & Renew	-	056126	P Moose Mtn	NE18100202	9
869H	Sask. Tour & Renew	-	-	P Moose Mtn	NE23100302	7
871	P.F.R.A.	-	-	- Tree Nursery	--11181302	9
876	Regway	09	-	B Regway	SE02012002	9
877	Torquay	06	-	B Torquay	NW01011202	9
881	Brabant	-	201638	- Brabant	-	9
885	Denare Beach	-	201428	- Denare Beach	-	9
893	Jan's Bay	-	201660	- Jan's Bay	-	9
898	Lac la Plonge	-	201646	- Lac La Plonge	-	9

CATEGORY '3'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
905	Molonosa	-	-	- Molonosa	-	7
906	Patuanak	-	201205	- Patuanak	-	9
909	Rabbit Lake	-	-	- Rabbit Lake	-	9
910	Ramsay Bay	-	-	- Ramsay Bay	-	9
918	Tyrell Lake	-	-	- Tyrell Lake	-	9
922A	Aphetow	-	-	- Aphetow #2	-	7
927N	Thunderchild	-	-	I Thunderchild	115B	9
928	Kahkewistahaw	-	-	I Kahkewistahaw	NW05180402	9
928C	Gordon	-	-	I Gordon	NE34261602	9
928H	Daystar	-	-	I Daystar	NE17291602	9
930	Stony Rapids	-	-	I Black Lake	-	9

APPENDIX E

SHARED OR NO SITES REPORTED

LEGEND

MUNICIPAL LOCATION

R - Rural Municipality
H - Hamlet
V - Village
T - Town
C - City
P - Park
I - Indian Reserve
N - Northern Community Association

SITE STATUS

9 - Active
7 - Inactive
2 - Future Site
1 - Shared Site
0 - No Site Reported
- - No Response Received

LEGAL DESCRIPTION

NE05022402 = NE 1/4 - Sec 05 - TWP 02 - RGE 24 - W2

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
01	Argyle	01	-	- -	-	0
02	Mount Pleasant	02	-	- -	-	0
03	Enniskillen	03	-	- -	-	0
09	Surprise Valley	09	-	V Minton	-	1
11	Hart Butte	11	024209	T Coronach	-	1
14	Lone Tree	18	-	R Lone Tree	-	0
16B	Storthoaks	31	034032	V Storthaoks	NE16053101	1
17	Reciprocity	32	-	- -	-	0
18	Moose Creek	33	-	- -	-	0
19	Browning	34	032006	T Lampman	NE16050602	1
20	Benson	35	-	- -	-	0
21	Cymri	36	031202	T Midale	NW22051102	1
23	Laurier	38	-	- -	-	0
24	The Gap	39	-	V Ceylon	-	1
29	Mankota	45	-	- -	-	0
30	Glen McPherson	46	-	- -	-	0
35	Moose Mountain	63	034010	T Carlyle	SE20080202	1
36	Brock	64	-	- -	-	0
37	Tecumseh	65	-	- -	-	0
41	Norton	69	-	- -	-	0
47	Pinto Creek	75	-	- -	-	0
48	Auvergne	76	012164	T Ponteix	NE15091103	1
49	Wise Creek	77	-	- -	-	0
50	Grassy Creek	78	-	- -	-	0
52	Maryfield	91	-	- -	-	0
54	Wawken	93	-	- -	-	0
55	Hazelwood	94	-	- -	-	0
57	Fillmore	96	-	- -	-	0

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
64B	Sutton	103	024167	V Palmer	SW33100303	1
64C	Sutton	103	024170	V Mazenod	SE04110203	1
70	Carmichael	109	-	- -	-	0
72	Maple Creek	111	-	- -	-	0
73	Moosomin	121	-	- -	-	0
74	Martin	122	-	- -	-	0
76	Kingsley	124	-	- -	-	0
79	Francis	127	-	- -	-	0
84	Hillsborough	132	-	- -	-	0
87	Lawtonia	135	-	- -	-	0
91	Gull Lake	139	-	- -	-	0
92	Big Stick	141	-	- -	-	0
93	Enterprise	142	-	- -	-	0
94	Rocanville	151	-	- -	-	0
95	Spy Hill	152	-	- -	-	0
96	Willowdale	153	-	- -	-	0
100	South Qu'Appelle	157	-	- -	-	0
111	Riverside	168	-	- -	-	0
112	Pittville	169	-	- -	-	0
117	McLeod	185	-	- -	-	0
119	North Qu'Appelle	187	051118	V B-Say-Tah	NE11211402	1
119B	North Qu'Appelle	187	054182	T Ft. Qu'Appelle	NW11211302	1
120	Lumsden	189	-	- -	-	0
121	Dufferin	190	-	- -	-	0
121A	Dufferin	190	-	H Keddleston Bch	-	0
121B	Dufferin	190	-	H Highwood Bch	-	0
122	Marquis	191	-	- -	-	0

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
123	Eyebrow	193	-	- -	-	0
124	Enfield	194	-	- -	-	0
125	Churchbridge	211	103138	T Churchbridge	SE29223201	1
125A	Churchbridge	211	103207	R Churchbridge	NW23243001	1
126	Saltcoats	213	-	- -	-	0
129	Tullymet	216	-	- -	-	0
130	Lipton	217	-	- -	-	0
131	Cupar	218	-	- -	-	0
133A	McKillop	220	-	H Sunset Cove	-	0
135	Craik	222	082171	T Craik	SE18242802	1
136	Huron	223	-	R Huron	SE30220203	1
138	Canaan	225	-	- -	-	0
139	Victory	226	073138	V Beechy	SW19221003	1
145	Calder	241	-	- -	-	0
150	Kellross	247	054184	V Leross	NE02271402	1
151	Touchwood	248	-	- -	-	0
155	Willner	253	-	- -	-	0
158	King George	256	-	- -	-	0
160B	Snipe Lake	259	073151	V Plato	NW26251803	1
161	Newcombe	260	074113	V Glidden	NW23262303	1
162	Chesterfield	261	074111	T Eatoniafield	NW26252503	1
163A	Cote	271	105120	H Madge Lake	--303001	1
169	Kutawa	278	-	- -	-	0
170	Mount Hope	279	-	- -	-	0
171	Wreford	280	-	- -	-	0
172	Wood Creek	281	-	- -	-	0
173	McCraney	282	-	- -	-	0
174	Rosedale	283	-	- -	-	0
175	Rudy	284	-	- -	-	0
177	Milden	286	073163	V Milden	SE07291203	1

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
180	Kindersley	290	-	- -	-	0
181	Milton	292	-	- -	-	0
182	St. Philips	301	-	T Pelly	SW03343201	1
183	Keys	303	-	- -	-	0
185	Invermay	305	-	- -	-	0
186A	Elfros	307	106120	V Leslie	NW25311302	1
187	Big Quill	308	-	- -	-	0
189	Usborne	310	-	- -	-	-
190	Morris	312	-	- -	-	0
191	Lost River	313	-	- -	-	0
192	Dundurn	314	-	- -	-	0
194	Harris	316	-	- -	-	0
207	Lakeside	338	-	- -	-	0
208	Leroy	339	-	T Leroy	-	1
210	Viscount	341	-	- -	-	0
211	Colonsay	342	-	R Colonsay	-	0
212	Blucher	343	081185	V Bradwell	SE16340203	1
216	Biggar	347	-	- -	-	0
217	Grandview	349	-	- -	-	0
219	Progress	351	-	- -	-	0
220	Heart's Hill	352	-	- -	-	-
223	Spalding	368	-	- -	-	-
224	St. Peter	369	-	- -	-	0
228	Aberdeen	373	081184	V Aberdeen	SW12390303	1
230	Glenside	377	-	- -	-	0
232	Reford	379	-	- -	-	0
235	Eye Hill	382	-	- -	-	0
236B	Hudson Bay	394	116012	P McBride Lake	-	1
240	Lake Lenore	399	-	- -	-	0

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
246	Great Bend	405	-	- -	-	0
248	Prairie	408	-	- -	-	0
250	Round Valley	410	-	- -	-	0
258	Blaine Lake	434	-	- -	-	0
259	Redberry	435	-	- -	-	0
261	North Battleford	437	131128	C N. Battleford	NW15441603	1
265	Manitou Lake	442	-	- -	-	0
269	Kinistino	459	115136	T Kinistino	SE28452102	1
275	Round Hill	467	-	- -	-	0
277	Turtle River	469	-	- -	-	0
279	Eldon	471	-	- -	-	0
280	Wilton	472	-	- -	-	0
281	Moose Range	486	-	- -	-	0
282	Nipawin	487	-	T Nipawin	-	1
283C	Torch River	488	112161	V White Fox	SW14531502	1
283E	Torch River	488	112159	V Smeaton	SW31521902	1
283F	Torch River	488	-	H Shipman	NW12522102	2
285	Buckland	491	-	- -	-	1
297	Big River	555	-	- -	-	0
298	Loon Lake	561	-	- -	-	0
300	Beaver River	622	-	- -	-	-
308	Air Ronge	NC8	-	T LaRonge	-	1
311	Flin Flon	C2	-	- -	-	0
323	Abbey	229	013037	V Abbey	NW29202003	1
325A	Abernethy	186	054178	V Abernethy	NW18201002	1
336	Arborfield	456	112151	T Arborfield	SW35471202	1

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
348	Balgonie	158	051114	- -	-	0
354	Belle Plaine	160	051117	R Pense	-	1
355	Bengough	40	021164	R Bengough	NE22052402	1
379	Buena Vista	189	055185	V Regina Beach	NE11212202	1
406	Coleville	320	-	- -	-	0
420	Dalmeny	344	083053	- War-Dal-Mar	NW34380503	1
421	Davidson	252	082155	R Arm River	SE21262802	1
432	Domremy	431	-	- -	-	0
476	Girvin	252	082155	T Davidson		1
493	Gull Lake	139	014026	T Gull Lake	NW19131803	1
504A	Hepburn	404	-	R Laird	-	1
506	Herschel	318	-	R Mountain View	-	1
516	Insinger	275	-	- -	-	0
531	Kenosee	93	-	- -	-	0
538	Kinley	346	-	R Perdue	NE27351103	1
559	Lebret	187	-	T Fort Qu'Appelle	SE01470503	1
560	Leipzig	379	-	T Landis	-	1
567	Liberty	251	-	- -	-	0
583	Madison	260	-	V Glidden	NW23260233	1
599	Martensville	344	083053	T Warman	NW34380503	1
620	Mistusinne	224	-	T Elbow	-	1
621	Montmartre	126	-	- -	-	0
650A	Pense	160	-	R Pense	-	1
652A	Perdue	346	-	R Perdue	NW27351103	1
653	Piapot	110	-	V Piapot	NW08122303	1
692	Rush Lake	166	011038	R Excelsior	SE16171103	1
696	Sandy Beach	186	-	V Katepwa Bch	-	1
697	Saskatchewan Beach	220	-	- -	-	0
709	Shields	314	082172	R Dundurn	SW16330403	1

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
743	Tessier	316	-	- -	-	-
745	Thode	314	-	R Dundurn	SW16330403	1
770	Wakaw Lake	401	-	T Wakaw Lake	SW36422702	1
772	Waldheim	404	-	- -	-	-
783	Weldon	459	-	- -	-	0
789	Wilcox	129	-	- -	-	0
792	Willow Bunch	42	024117	V Willow Bunch	SE24052802	1
814	Department of Agri	-	-	- -	-	0
815	Agri. Canada R.S.	-	-	- -	-	-
819	Advance Blue Print	-	-	- -	-	0
921	Bergen Mnfg. Ltd.	-	-	V Drake	--14322202	2
822	Brown Ind. Ltd.	-	-	- -	-	-
824	Cdn Salt Co. Ltd.	-	-	- -	-	-
827	Cont. Auto Supply	-	-	- -	-	-
828	Globe Printers	-	-	- -	-	-
829	Highways & Trans.	-	-	- -	-	-
831	L & M Wood Preserve	-	-	- -	-	-
832	Man & Sask Coal Co	-	-	- -	-	0
833	Marbco Ind. Ltd.	-	-	- -	-	-
834	Panther Pack & Chem	-	-	- -	-	0
844A	Saskatchewan Power	-	-	- Nipawin	NW30501402	2
845	Saskatchewan Power	-	-	- -	-	-
846	Saskatchewan Power	-	-	- -	-	-
849	Sask Trans. Co.	-	-	- -	-	0
850	Saxby Weld & Mach	-	-	- -	-	-
851	Senstek Limited	-	-	- -	-	-
852	Trail Rite Flatdeck	-	-	- -	-	-

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
854	Viking Surplus Oil	- -		- -	-	-
855	Western Roto-Thresh	- -		- -	-	0
856	LaRonge Airport	- -		- -	-	0
857	N. Battleford Air.	- -		- -	-	-
858	P.A. Airport	- -		- -	-	-
859	Transport Canada	- -		- -	-	-
860	Smithair 1976 Ltd.	- -		- -	-	-
861	Uranium City Arpt	- -		- -	-	-
862	Transportation Can	- -		- -	-	-
864H	Sask. Tour & Renew	- -		V Chitek Lake	SE10551203	1
865G	Sask. Tour & Renew	- -		P Etters Beach	SE20262402	1
902	Michel Point	- -		- Dore Lk #2	-	1
931	Moose Woods	- -		- -	-	-
936	Lac La Hache	- -		I Wollaston Lake	-	1
937	Wahpeton	- -		I Wahpeton	-	0
938	Cowessess	- -		I Cowessess	-	0
939	(Crane) Key	- -		I (Crane) Key	-	0
940	Ochapowace	- -		I Ochapowace	-	0
941	Nut Lake	- -		I Nut Lake	-	0
942	Kinistino	- -		I Kinistino	-	0
943	Carry The Kettle	- -		I Carry The Kettle	-	0
944	Little Black Bear	- -		I Little Bl. Bear	-	0
945	Fishing Lake	- -		I Fishing Lake	-	0
946	Muscowpetung	- -		I Muscowpetung	-	0
947	Pasqua	- -		I Pasqua	-	0
948	Nikaneet	- -		I Nikaneet	-	0
949	Okanese	- -		I Okanese	-	0
950	Starblanket	- -		I Starblanket	-	0

'SHARED' OR 'NO SITES'

SURVEY NUMBER	SITE OWNER	RM NUMBER	HEALTH FACILITY #	MUNICIPAL LOCATION	LEGAL DESCRIPTION	SITE STATUS
951	English River	- -		I English River	-	0
952	Cumberland House	- -		I Cumberland Hse	-	0

APPENDIX F

- Proposed National Priority Scoring System

ABANDONED AND ACTIVE LAND DISPOSAL SITE STUDY

PROPOSED SCORING SYSTEMS

1. Type of Waste

- High Concern Wastes[1]	- 20 pts.
- Medium Concern Wastes[1]	- 10 pts.
- Low Concern Wastes[1]	- 5 pts.

2. Proximity to Municipal Water Supply intake (ground and surface) to Wastes in a Site

0 to 300m (0-1000')	- 20 pts.
> 300m - 1.5km (>1000'-1.0 mile)	- 10 pts.
>1.5km - 5.0km (1.1 mile-3.2 miles)	- 5 pts.
> 5.0km (> 3.2 miles)	- 0 pts.

3. Population Served by the Water Supply (ground and surface) (includes residents, transients, such as as workers in factories and students at school within 5.0km radius, where the ground water is used for irrigation, the acreage of irrigated land can be converted to population by assuming 3 persons/acre.)

> 10,000	- 10 pts.
>1,000 - 10,000	- 7 pts.
> 100 - 1000	- 5 pts.
>1 - 100	- 2 pts.

4. Potential Contact with Water Table - 20 pts.

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5. Surrounding Land Use & Proximity to Development
(Select the most critical situation)

Distance from Waste / Type of Development	0-300m (0-1000')	>300m-1.5km (>1000'-1 mile)	>1.5km - 5.0km (>1 mile- 3.2 mi)	> 5.0km (>3.2 mi)
Residential or Proposed Housing Site	20	10	5	0
School, Playground or Public Places	20	10	2	0
Commercial or Industrial	10	3	1	0
Agricultural	5	3	1	0

6. Distance to the Private Well
(measured from the location of waste in the site to the nearest well that taps the aquifer)

0 - 300m (0-1000')	- 15 pts.
> 300m - 1.5km (> 1000' - 1 mile)	- 5 pts.
> 1.5km - 5.0km (> 1 mile - 3.2 miles)	- 2 pts.
> 5.0km (> 3.2 miles)	- 0 pts.

6.1 Population Served by the Potable Private Well (within 5km radius)

> 21	- 10 pts.
11 - 20	- 7 pts.
6 - 10	- 5 pts.
1 - 5	- 2 pts.

6.2 Private well used for Industrial purposes
(within 5km radius) - 5 pts.

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7. Condition of Inactive Land Disposal Site

Uncovered	- 10 pts.
Partially Covered	- 5 pts.
Covered	- 0 pts.

8. Total Waste Quantity

Metric Tonnes /Tons	Cubic Metres /Yards	No. of Drums	
2500	5000	10,000	- 15 pts.
1250-2500	2501-5000	5001 - 10000	- 10 pts.
250-1250	501-2500	1001 - 5000	- 5 pts.
10-250	21-500	41 - 1000	- 3 pts.
0-10	0-20	0 - 40	- 0 pts.

9. Evidence of Leachate - 20 pts.

10. Method of Operation (Active and Inactive during operational period)

Open Dump	- 10 pts.
Open Dump with Burning	- 5 pts.
Dump with Occasional Cover	- 5 pts.
Sanitary Landfill	- 2 pts.

11. General Soil Type

Bedrock or Gravel	- 10 pts.
Sand or Sandstone	- 5 pts.
Silt or Clay	- 2 pts.

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12. Proximity to Surface Water (shortest distance from waste at the site to nearest body of surface water, e.g. lake or stream)

0 - 90m (0 - 300')	- 10 pts.
>90m - 300m (301' - 1000')	- 5 pts.
>300m - 1.5km (1001' - 1 mile)	- 2 pts.
>1.5km (>1 mile)	- 0 pts.

13. Surface Water Use (within radius of 5.0km from this location of waste)

Recreational	- 10 pts.
Irrigation	- 7 pts.
Commercial or Industrial	- 5 pts.
Not Currently Used for any of the above	- 0 pts.

14. Distance to Sensitive Environment or Critical Habitat (flood plains, wetlands, animal sanctuaries, etc.) from the location of hazardous wastes

0 - 300m (1 - 1000')	- 10 pts.
>300m - 1.5km (1000' - 1 mile)	- 5 pts.
>1.5km - 5.0km (>1 mile - 3.2 miles)	- 2 pts.
>5.0km (>3.2 miles)	- 0 pts.

15. Flood Potential

Floods Annually	- 5 pts.
In 10-year Flood Plain (10% chance of being flooded in any year)	- 4 pts.
In 100-year Flood Plain (1% chance of being flooded in any year)	- 2 pts.
Outside 100-year Flood Plain (less than 1% chance of being flooded in any year)	- 0 pts.

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16. Amount of Rainfall (Maximum 24-hr rainfall in centimetres (inches))

>12.5 (>5.0)	- 5 pts.
>7.5 - 12.5 (3.0 - 5.0)	- 3 pts.
>2.5 - 7.5 (1.0 - 3.0)	- 2 pts.
<2.5 (1.0)	- 0 pts.

17. Elevation & Topography (site boundary elevation in relation to the intervening terrain and site slope represents the potential for run-off or spills to leave the site)

High with Steep Slope	- 5 pts.
High but Flat	- 3 pts.
Low and Flat	- 0 pts.

18. Vegetation on the inactive site

No vegetation	- 5 pts.
Grass or trees	- 0 pts.

19. Vectors - 5 pts.

20. Loss of Odor detected on the site or at its boundary - 10 pts.

Maximum score: 250 pts.

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NOTES

[1] Type of Wastes

High Concern Wastes
- wastes on Federal Interim List of Dangerous Wastes.
- wastes identified by province as hazardous wastes.
- materials regulated by the Environmental Contaminants Act.
- institutional (laboratories, schools, hospitals, etc.) wastes.
- pathological wastes.
- low level radioactive wastes.

Medium Concern Wastes
- liquid wastes not referred to in above, including waste oils, septic pumpings, etc.
- empty pesticide containers.
- incinerator residues.

Low Concern Wastes
- municipal solid (household) wastes
- industrial and commercial solid waste such as construction materials, etc.

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SUGGESTED SITE CLASSIFICATION PROCEDURE

- Maxium Proposed Score: 250 points.

- Sites to be classified as Priority 1, Priority 2 or Priority 3.

Procedure

1. Add individual scores of Items #1, 2, 3, 4 and 5. If the total score of Items #1, 2, 3, 4 and 5 is greater than or equal to 60 pts., then the site should be classified as Priority 1.

2. If the total score of Items #1, 2, 3, 4 and 5 is less than 60 pts., continue assigning scores for Items #6 - 20.

Priority 1 - Score	100 points
Priority 2 - Score	60 - 100 points
Priority 3 - Score	0 - 59 points

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APPENDIX G

SASKATCHEWAN PRIORITY SCORING SYSTEM

ABANDONED AND ACTIVE LAND DISPOSAL SITE STUDY

PROPOSED SCORING SYSTEM

Primary Screening Criteria

Source of Contaminants

1. Type of Waste

- High Concern Wastes [1]	- 40 pts.
- Medium Concern Wastes [1]	- 30 pts.
- Low Concern Wastes [1]	- 10 pts.
Max. Sub. Score	- 40 pts.
Min. Sub. Score	- 10 pts.

Potential for Contaminant Migration

2. Depth to Water Table

Soil Type	0' to 5'	5' to 15'	15' Plus
Clay	10	5	0
Silt	20	10	5
Rock	30	20	10
Sand	40	30	20

- Max. Sub. Score	- 40 pts.
- Min. Sub. Score	- 0 pts.

Risk of Contamination

3. Proximity to Municipal Water Supply Intake (Ground & Surface) to Wastes in a Site

0 to 300m (0 - 1000')	- 15 pts.
>300m - 1.5km (1000' - 1 mile)	- 10 pts.
>1.5km - 5km (1.1 miles - 3.1 miles)	- 5 pts.
>5km (3.1 miles)	- 2 pts.

4. Population served by water supply (ground and surface (includes residents, transients, such as workers in factories and students at school within 5 km (3.1 miles) radius, where the ground water is used for irrigation, the acreage of irrigated land can be converted to population by assuming 3 persons/acre)

>5000	- 10 pts.
1,000 - 5,000	- 7 pts.
100 - 1,000	- 5 pts.
1 - 100	- 2 pts.

5. Surrounding land use and proximity to development (select the most critical situation)

Type of development / Distance from waste	0 - 300m (0 - 1000')	300m-1.5 km (1000-1 mi)	1.5 km-5.0 km (1 mi-3.2mi)	5.0 km (3.2 miles)
Residential or Proposed Housing Site	20	10	5	0
School, Playgrd or public place incl. Parks & game resvs.	20	10	2	0
Commercial or Indust	10	3	1	0
Agricultural	5	3	1	0

Max. Sub. Score - 45 pts.
Min. Sub. Score - 4 pts.

Maximum score primary screening criteria - 125 pts.
Minimum score primary screening criteria - 14 pts.

SECONDARY SCREENING CRITERIA

Source of Contaminants

6. Condition of inactive land disposal site (inactive sites only)

Uncovered	- 15 pts.
Partially covered	- 10 pts.
Covered	- 5 pts.
Covered with Vegitation	- 2 pts.

7. Method of Operation (active sites only)

Open Dump	- 15 pts.
Modified Landfill (with periodic burning)	- 10 pts.
Modified Landfill (without burning)	- 5 pts.
Sanitary Landfill	- 2 pts.

8. Total Waste Quantity

Metric Tonnes/Tons	Cubic Meters/Yards	No. of Drums	
>25000	>50000	>10,000	- 10 pts.
12500 - 25000	25000 - 50000	5000 - 10,000	- 6 pts.
2500 - 12500	5000 - 25000	1000 - 5000	- 3 pts.
100 - 2500	200 - 5000	40 - 1000	- 1 pts.
0 - 100	0 - 200	0 - 40	- 0 pts.

9. Gas, Odour and Leachate Problems

Type of Problem	Individual Score
Odour	3
Gas	5
Leachate	7

NOTE: If more than one of these problems exists at a site, total the individual score of each problem to obtain the total item score.

Potential for Contaminant Migration

10. Flood Potential

Flooded Annually or often	- 15 pts.
Flooded occassionally	- 5 pts.
Never Flooded	- 0 pts.

11. Median Annual Unit Runnoff in centimeters (inches)

> 5.0 (2")	- 10 pts.
>2.0 - 5.0 (1" - 2")	- 7 pts.
>1.0 - 2.0 (1/2" - 1")	- 3 pts.
0 - 1.0 (0 - 1/2")	- 1 pts.

12. Elevation and Topography (site boundary elevation in relation to the intervening terrain and site slope represents the potential for run-off or spills to leave the site)

Steep slope	- 10 pts.
Moderate slope	- 5 pts.
Gradual slope	- 1 pts.

13. Vectors

Vectors	- 5 pts.
No Vectors	- 0 pts.

Max. Sub. Score	- 40 pts.
Min. Sub. Score	- 2 pts.

Risk of Contamination

14. Distance to a private well (including industrial well with potable use) (measured from the location of waste in the site to the nearest well that taps the aquifer)

0 - 300m (0 - 1000')	- 15 pts.
>300m - 1.5 km (1000 - 1 mile)	- 10 pts.
>1.5 km - 5.0 km (1 mile - 3.2 miles)	- 5 pts.
>5.0 km (3.2 miles)	- 1 pts.

15. Population served by the potable private well (within 5 km [3.2 mile] radius)

21	- 10 pts.
11 - 20	- 7 pts.
6 - 10	- 5 pts.
1 - 5	- 2 pts.

16. Proximity to surface water (shortest distance from waste at the site to nearest body of surface water. Including intermittant creeks and streams)

0 - 90m (0 - 300')	- 10 pts.
>90m - 300m (300' - 1000')	- 6 pts.
>300m - 1.5 km (1000' - 1 mile)	- 3 pts.
>1.5 km (1 mile)	- 1 pts.

17. Surface water use (within radius of 1.5 km [1 mile] from the location of waste)

Recreational	- 10 pts.
Irrigation	- 6 pts.
Commercial of Industrial	- 3 pts.
Not currently used for any of the above	- 1 pts.

Max. Sub. Score	- 45 pts.
Min. Sub. Score	- 5 pts.
Maximum Score - Secondary Screening Criteria	- 125 pts.
Minimum Score - Secondary Screening Criteria	- 11 pts.
Maximum Total Score	- 250 pts.
Minimum Total Score	- 25 pts.

Suggested Site Classification Procedure

Sites to be classified as priority 1, priority 2 or priority 3

Procedure

1. Add individual scores of Items 1 through 5 inclusive. If the total score of these items is greater than or equal to 90 points, then the site should be classified as priority 1.

2. If the total score of Items 1 through 5 inclusive is less than 90 points, then continue assigning scores for Items 6 through 17 and classify the sites as follows:

Classification	Score
Priority 1	135
Priority 2	90 - 134
Priority 3	25 - 89

NOTES

1. Types of Wastes

High Concern Wastes	- wastes on Federal Interm List of Dangerous wastes. - wastes identified by province as hazardous wastes. - materials regulated by the Environmental Contaminants Act. - pathalogical/infectious wastes. - low level radioactive wastes.
Medium Concern Wastes	- liquid wastes not referred to in above, including waste oils, septic pumpings, etc. - incinerator residues.
Low Concern Wastes	- municipal solid (household) wastes. - industrial and commercial solid waste such as construction materials, etc.

APPENDIX H

PRIORITIZING CRITERIA

Primary Screening Criteria

Source of Contaminants

1. Type of Waste

The type of waste is classified into three groups according to its potential for a source of contaminants:

- High concern wastes
  - wastes on Federal Interim List of Dangerous wastes
  - wastes identified by province as hazardous wastes
  - materials regulated by the Environmental Contaminants Act
  - Pathological/infectious wastes
  - low level radioactive wastes
- Medium concern wastes
  - liquid wastes not referred to in above, including waste oils, septic pumpings, etc.
  - incinerator wastes
- Low concern wastes
  - municipal solid (household) waste
  - industrial and commercial solid waste such as construction material, etc.

Although most respondents indicated the general type of waste in their sites, most Towns, Villages and Rural Municipalities keep no detailed records on the type and quantity of waste in their disposal site. A large number of sites reported empty pesticide or herbicide containers.

Only sites that indicated a significant amount of empty containers were scored as having medium concern wastes.

High concern wastes were normally identified only in the sites for larger cities, a few industries and a few institutions.

Potential for Contaminant Migration

2. Depth of Water Table and Soil Type

The general soil type is combined with the depth to the water table to determine the potential for leachate to migrate off site with subsequent groundwater contamination. Sites located on sand and gravel, which is a porous material, were scored higher than sites on less porous silt and clay which do not permit leachate migration as readily. Sites located on rock formations were scored relatively high because of the potential for leachate migration through cracks and fissures.

Generally the soil type and depth to water table were reported by respondants based on the following:

- conditions exposed at the bottom of the disposal trench
- from logs of bore holes or wells in the area
- local residents knowledge of soil type and groundwater trends in the area.

Local residents were often aware of special conditions such as sandy soil or high water table in the area of the site. The most common unanswered question was depth to water table. However, during telephone follow-ups, most respondants were able to estimate the water table within a five foot range.

Information obtained was evaluated based on a matrix scoring system incorporating soils and ground water elements.

Risk of Contamination

3. Proximity to Municipal Water Supply

Contamination of the groundwater or surface water supply is possible through leachate migration from disposal sites. The risk of contamination becomes greater the closer a municipal water intake is to the site.

Five sources of municipal potable water supply are common in Saskatchewan:

- municipal wells
- municipal dugouts
- rivers, lakes or reservoirs
- private household wells or sandpoints
- piped systems from communities several miles away

In instances where the households in the community have individual wells or sandpoints, the distance from the disposal site to the nearest well or sandpoint in the community was assumed to reflect the risk to the entire population.

4. Population Served by Water Supply

Large populations served by the ground and surface water supply near a site increases the potential health hazard. Only the population served by a water supply within 5 kilometers (3.1 mi) was scored.

The population of each municipality, if not indicated on the questionnaire, was obtained from the 1976 Census of Canada for the hamlets and from the 1982 Saskatchewan Municipal Directory for cities, towns and villages.

5. Surrounding Land Use

The land use surrounding a disposal site gives one indication of the potential for health hazard or environmental impairment.

In the scoring matrix of land use versus distance from a site, only the most critical situation was scored.

This criteria was evaluated and verified from a number of sources on the questionnaire:

- land use matrix
- distance to nearest residence
- location plotted on attached topographic sheet
- distance to community according to site legal description

Secondary Screening Criteria

Source of Contaminants

6. Conditions of Inactive Site

This item was scored only if the site was inactive. If a site is inactive, it does not minimize its risk as a source of contaminants as it may still be uncovered or contain as much or more waste as an active site.

Each site was rated on the amount of earth cover placed on the waste. Sites that were completely covered with earth and growing vegetation received the lowest score.

7. Method of Operation of Active Sites

The sites were rated according to the following classification in order of descending risk as a source of contaminants.

- Open Dump - burning or with little or no compaction
- Modified Landfill - refuse is compacted and covered regularly (with periodic burning of refuse)
- Modified Landfill - refuse is compacted and covered regularly
- Sanitary Landfill - refuse is compacted and covered frequently or daily.

Many small disposal sites consist of trenches or mounds that are covered semi-annually. Generally these sites were scored as modified landfills with burning, since authorized or unauthorized burning usually took place and the amount of waste uncovered at any one time was relatively small.

8. Total Waste Quantity

Large landfill sites pose a greater risk as a source of contaminants for two reasons:

- large quantities of waste
- greater potential for a wide variety of waste including hazardous waste.

Total waste quantity was generally difficult for respondants to estimate since records are not kept at most sites. Waste quantities were determined and verified from the questionnaires as follows:

- waste quantity from municipal records
- dimensions of disposal area
- quantity and size of truckloads hauling waste to sites for municipal pickup
- age of the site, population size and characteristics, and industrial characteristics combined to calculate waste quanity. (Generally waste quantities for small towns, villages and hamlets with no significant industries were calculated at a rate of roughly 2 pounds per person per day.

Waste quantities calculated by the above methods may not be precise, but they are useful for categorizing within the broad limits in the scoring classification.

9. Problems

If a problem was known to exist at a site, it was scored appropriately. The following types of problems were rated in order of increasing point value:

- odour
- gas
- leachate

If more than one of these problems occurred, the individual scores for each problem were added together to obtain the total item score.

Since different people vary in their opinion as to whether a problem actually exists, Environment complaint files and Public Health Inspection reports were used to verify responses.

Potential for Contaminant Migration

10. Flood Potential

Flooding of a landfill increases the potential for surface water contamination. Also it may increase the amount of leachate generated in a site.

Questionnaire respondants were probably the most qualified persons to report flooding of landfills since they would be familiar with conditions throughout the whole year. Verification and additional problems were identified through Environment files and Public Health Inspection Reports.

11. Median Annual Unit Runoff

Areas of high moisture runoff have a greater potential for contaminant migration to surface water and groundwater recharge areas than areas of low moisture runoff.

A 1:2,000,000 scale Prairie Farm Rehabilitation Administration Hydrology Division map of median annual unit runoff was used to evaulate each site. in southern Saskatchewan. No unit runoff values were available for northern

northern Saskatchewan. Sites in this region were evaluated by assessing precipitation trends, soil type and geography.

12. Elevation and Topography

The potential for spills or runoff to leave the site were scored. The site boundary elevation in relation to the intervening terrain was evaluated using three categories:

- steep slope
- moderate slope
- gradual slope.

The surrounding topography and site drainage information from questionnaire responses were used to evaluate the site.

13. Vectors

Animals, birds or insects that live or congregate at landfill sites are a potential source of transmitting disease. The most common vectors reported were with rats, birds or flies, however, some areas reported dogs, bears or skunks. No major problems with rats were reported since most regions were under effective pest control programs.

Risk of Contamination

14. Distance to Private Well

The distance from the waste in a site to a private well (including

industrial wells with potable use) was evaluated for its potential for risk of contamination. Leachate seeping into the aquifer may contaminate the well. Shorter distances were assigned higher scores.

Information provided by respondants was generally complete and probably fairly accurate since they are familiar with wells in the area.

15. Population Served by the Private Well

The risk of contamination was scored according to the population served by the well. Greater usage of the well poses a greater risk if the well becomes contaminated. The population served by the closest private well, within 5 km (3.1 mi) only, was considered when scoring this item.

In some cases the actual number of persons using the well was not available. An estimate of population density in the rural area from information supplied, was used to determine the population served in these instances.

16. Proximity to Surface Water

If a surface water system exists nearby, there is a risk of it becoming contaminated. The distance from the waste to the nearest body of surface water (including intermittant creeks) was used to score this item.

The questionnaire responses were the most important source of information as local residents are aware of sloughs or creeks that exist only in the spring. If no information was available from respondants or agency files, the nearest surface water was located from 1:250,000 topographic maps.

17. Surface Water Use

The effect of potential surface water contamination was scored by determining the use of the nearest surface water within a radius of 1.5 km (1 mi). Four categories of surface water use were scored:

- recreational
- irrigation
- commercial or industrial
- not used for any of above

If the surface water had several uses, only the most critical use was scored. The contamination of a small slough that is not currently used for any purpose would not have as great an effect as the contamination of a lake or river used for recreation or irrigation.

Local residents and officials are generally most familiar with local surface water use. As a result, surface water use was obtained from the questionnaire response.